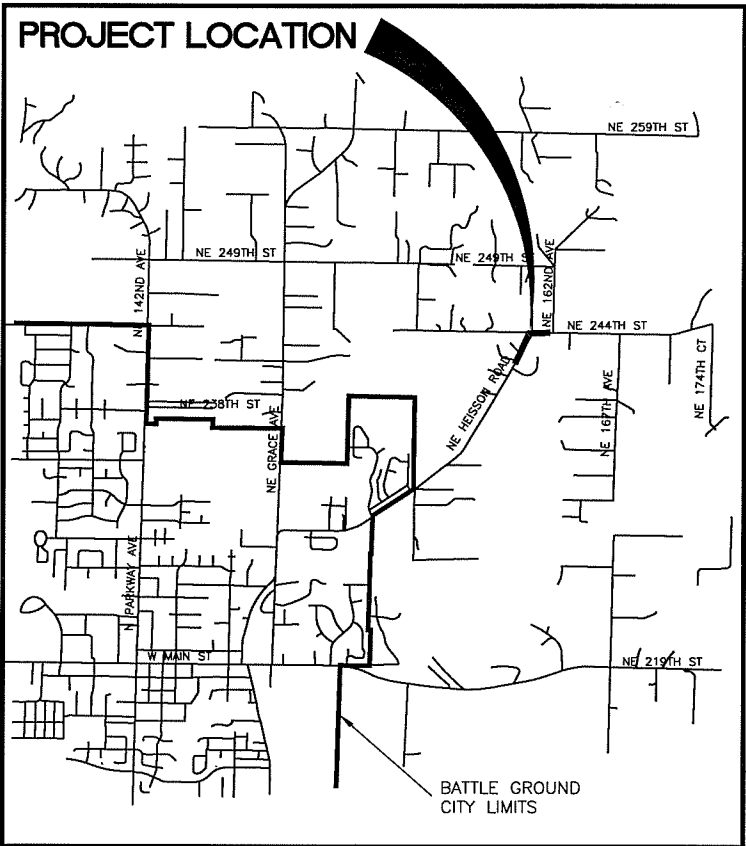
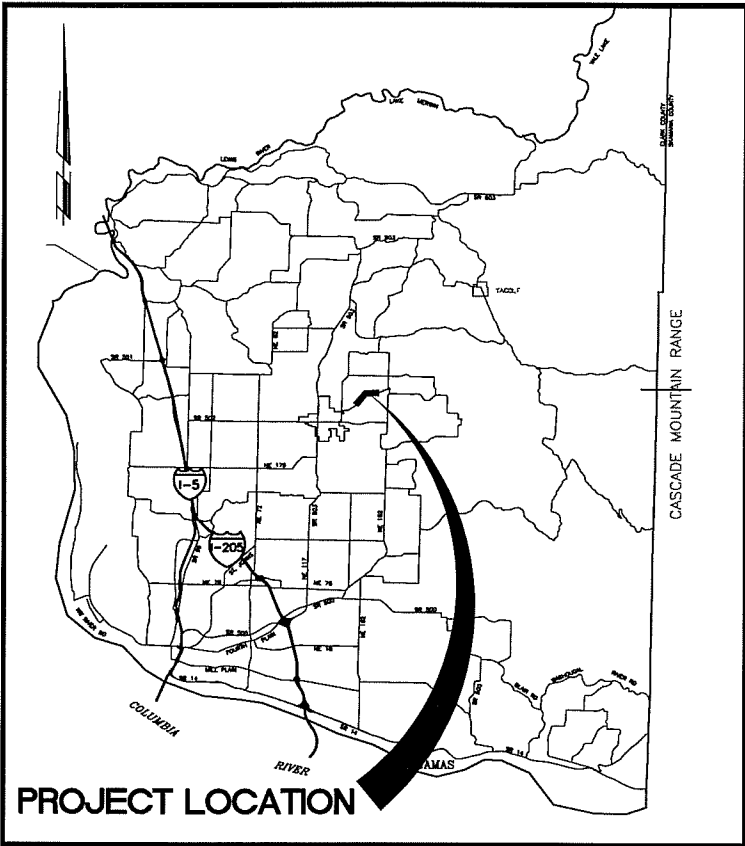


NE HEISSON ROAD  
AND NE 244TH STREET INTERSECTION

PLANS FOR THE CONSTRUCTION OF  
ROADWAY AND STORM DRAINAGE



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- 3 TS1 TYPICAL SECTIONS
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COMMISSIONERS:

BETTY SUE MORRIS, Chair  
JUDIE STANTON, Commissioner  
CRAIG A. PRIDEMORE, Commissioner



DEPARTMENT OF  
PUBLIC WORKS



PRELIMINARY  
90% REVIEW SET

ENG #XXXX-XXXX

| Quality Assurance          | Project Manager           | PW Director/<br>County Engineer |
|----------------------------|---------------------------|---------------------------------|
| Michael Emrick, P.E. DATE: | Don Andrews, P.L.S. DATE: | Peter Capell, P.E. DATE:        |



Recommended for Approval

Grading \_\_\_\_\_ Erosion \_\_\_\_\_

Storm Water Plan \_\_\_\_\_

Development Review Manager \_\_\_\_\_ Date \_\_\_\_\_

DESIGN AND ENGINEERING DIVISION- DESIGN SECTION



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SUMMARY OF QUANTITIES

| ITEM NO. | QUANTITY | UNIT  | BID ITEM  |
|----------|----------|-------|---|
| 1        |          | L.S.  | MOBILIZATION  |
| 2        |          | CALC. | MINOR CHANGE  |
| 3        |          | HOURL | TRAFFIC CONTROL LABOR   |
| 4        |          | HOURL | TRAFFIC CONTROL SUPERVISOR  |
| 5        |          | L.S.  | TEMPORARY TRAFFIC CONTROL DEVICES                                 |
| 6        |          | S.F.  | CONSTRUCTION SIGNS CLASS "A"                                      |
| 7        |          | L.S.  | CLEARING AND GRUBBING   |
| 8        |          | EST.  | ROADSIDE CLEANUP  |
| 9        |          | L.S.  | REMOVAL OF STRUCTURES AND OBSTRUCTION                             |
| 10       |          | S.Y.  | REMOVAL OF EXISTING ASPHALT CONC. PAVEMENT                        |
| 11       |          | C.Y.  | ROADWAY EXCAVATION (INCL. HAUL)                                   |
| 12       |          | C.Y.  | STORMWATER FACILITY EXCAVATION (INCL. HAUL)                       |
| 13       |          | C.Y.  | EMBANKMENT COMPACTION   |
| 14       |          | C.Y.  | GRAVEL BORROW (INCL. HAUL)  |
| 15       |          | TON   | GRAVEL BORROW (INCL. HAUL)  |
| 16       |          | MGAL  | WATER   |
| 17       |          | C.Y.  | DITCH EXCAVATION (INCL. HAUL)                                     |
| 18       |          | S.Y.  | CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION                    |
| 19       |          | TON   | CRUSHED SURFACING BASE COURSE                                     |
| 20       |          | TON   | ASPHALT CONCRETE PAVEMENT CL. A                                   |
| 21       |          | TON   | ASPHALT CONCRETE PAVEMENT CL. E                                   |
| 22       |          | L.F.  | SAWCUT EXISTING (ASPHALT) PAVEMENT                                |
| 23       |          | S.Y.  | ASPHALT CONCRETE APPROACH CL. A                                   |
| 24       |          | S.F.  | MODULAR / SEGMENTAL BLOCK/GRAVITY RETAINING WALL (INCL. CAP UNIT) |
| 25       |          | L.F.  | CULVERT PIPE 18 IN. DIAM  |
| 26       |          | L.F.  | CULVERT PIPE 30 IN. DIAM  |
| 27       |          | EACH  | CONCRETE DITCH INLET  |
| 28       |          | L.F.  | TRENCH SAFETY SYSTEM  |
| 29       |          | DAY   | ESC LEAD  |
| 30       |          | EACH  | STABILIZED CONSTRUCTION ENTRANCE                                  |
| 31       |          | EACH  | TIRE WASH   |
| 32       |          | EACH  | TEMPORARY SEDIMENT TRAP   |
| 33       |          | EACH  | INLET PROTECTION  |
| 34       |          | L.F.  | SILT FENCE  |
| 35       |          | EACH  | EROSION CONTROL & SPILL PREVENTION REINSPECTION FEE               |
| 36       |          | L.S.  | SPCC PLAN   |
| 37       |          | L.S.  | LANDSCAPE RESTORATION   |
| 38       |          | L.S.  | ENVIRONMENTAL RESTORATION   |
| 39       |          | C.Y.  | COMPOST AMENDED TOPSOIL   |
| 40       |          | ACRE  | SEEDING AND MULCHING  |
| 41       |          | ACRE  | STORMWATER FACILITY SEEDING AND MULCHING                          |
| 42       |          | C.Y.  | CEMENT CONCRETE ISLAND CURB                                       |
| 43       |          | L.F.  | FLOW SPREADER/ SWALE DIVIDER CURB                                 |
| 44       |          | L.F.  | COATED CHAIN LINK FENCE TYPE                                      |
| 45       |          | EACH  | DOUBLE FT. COATED CHAIN LINK GATE                                 |
| 46       |          | L.F.  | REMOVE AND RESET FENCE (INCL. GATE)                               |
| 47       |          | L.F.  | WIRE FENCE RELOCATION (INCL. GATE)                                |
| 48       |          | EACH  | MAILBOX SUPPORT, TYPE 1   |

LEGEND

|   |                               |
|---|-------------------------------|
| ---   | ROW LINE                      |
| ---   | NEW EDGE OF PAVEMENT          |
| ---   | NEW CURB FACE LINE            |
| ---   | NEW CURB BACK LINE            |
| ---   | NEW SIDEWALK                  |
| ---   | NEW CENTER LINE               |
| - X - X - X - X - X - X - X - X - X -                             | NEW FENCE LINE                |
| ---   | NEW STORM DRAIN OR CULVERT    |
| . F . . . F . . . F . . . F . . . F . . . F . . . F . . . F . . . | NEW FILL LIMITS               |
| - C - C - C - C - C - C - C - C - C -                             | NEW CUT LIMITS                |
| ---   | SAWCUT LINE                   |
| ---   | PERMANENT SLOPE EASEMENT      |
| - SF - SF - SF - SF - SF - SF - SF - SF - SF -                    | NEW SILT FENCE                |
| ---   | EXISTING EDGE OF PAVEMENT     |
| ---   | EXISTING CURB LINE            |
| ---   | EXISTING CENTER LINE          |
| - X - X - X - X - X - X - X - X - X -                             | EXISTING FENCE LINE           |
| - T - T - T - T - T - T - T - T - T -                             | EXISTING TELEPHONE LINE       |
| --- W --- W --- W --- W --- W ---                                 | EXISTING WATER LINE           |
| --- E --- E --- E --- E --- E ---                                 | EXISTING UNDERGROUND ELECTRIC |
| --- S --- S --- S --- S --- S ---                                 | EXISTING SANITARY SEWER LINE  |
| --- STM --- STM --- STM --- STM ---                               | EXISTING STORM DRAINAGE       |
| --- G --- G --- G --- G --- G ---                                 | EXISTING GAS LINE             |
| ---   | EXISTING CULVERT              |
| ---   | EXISTING DITCH CENTER LINE    |
| ---   | EXISTING GUARDRAIL            |

SYMBOLS

|  |                                  |  |                             |
|--|----------------------------------|--|-----------------------------|
|  | NEW CATCH BASIN (CB)             |  | EXISTING CURB INLET (CI)    |
|  | NEW MANHOLE (MH)                 |  | EXISTING CATCH BASIN (CB)   |
|  | NEW CURB INLET (CI)              |  | EXISTING STORM MH           |
|  | NEW COMBINATION CURB INLET (CCI) |  | EXISTING MISC MH            |
|  | NEW MAIL BOX                     |  | EXISTING SHRUB              |
|  | NEW HANDICAP RAMP                |  | EXISTING CONIFEROUS TREE    |
|  | CURVE TABLE                      |  | EXISTING DECIDUOUS TREE     |
|  | EXISTING TRANSFORMER             |  | EXISTING SIGN               |
|  | EXISTING ELEC TOWER              |  | EXISTING DECIDUOUS TREE     |
|  | EXISTING SANITARY SEWER MH       |  | EXISTING J BOX              |
|  | EXISTING FIRE HYDRANT            |  | EXISTING TELEPHONE MANHOLE  |
|  | EXISTING CLEAN OUT               |  | EXISTING TELEPHONE POLE     |
|  | EXISTING GAS VALVE               |  | EXISTING LIGHT              |
|  | EXISTING WATER METER             |  | EXISTING GUY ANCHOR         |
|  | EXISTING WATER VALVE             |  | EXISTING POWER POLE         |
|  | EXISTING SIGNAL POLE             |  | EXISTING MAIL BOX           |
|  | EXISTING TELEPHONE VAULT         |  | EXISTING TELEPHONE PEDESTAL |
|  | EXISTING TELEVISION BOX          |  | EXISTING SPRINKLER HEAD     |
|  | EXISTING WELL                    |  | TRAVERSE POINT              |
|  | EXISTING BRUSH LINE              |  | TEST HOLE                   |
|  | EXISTING HEDGE                   |  |                             |

PRELIMINARY

DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. NA  
VERT. NA  
DATE 9/21/04  
DWG. SQ1  
SHEET OF

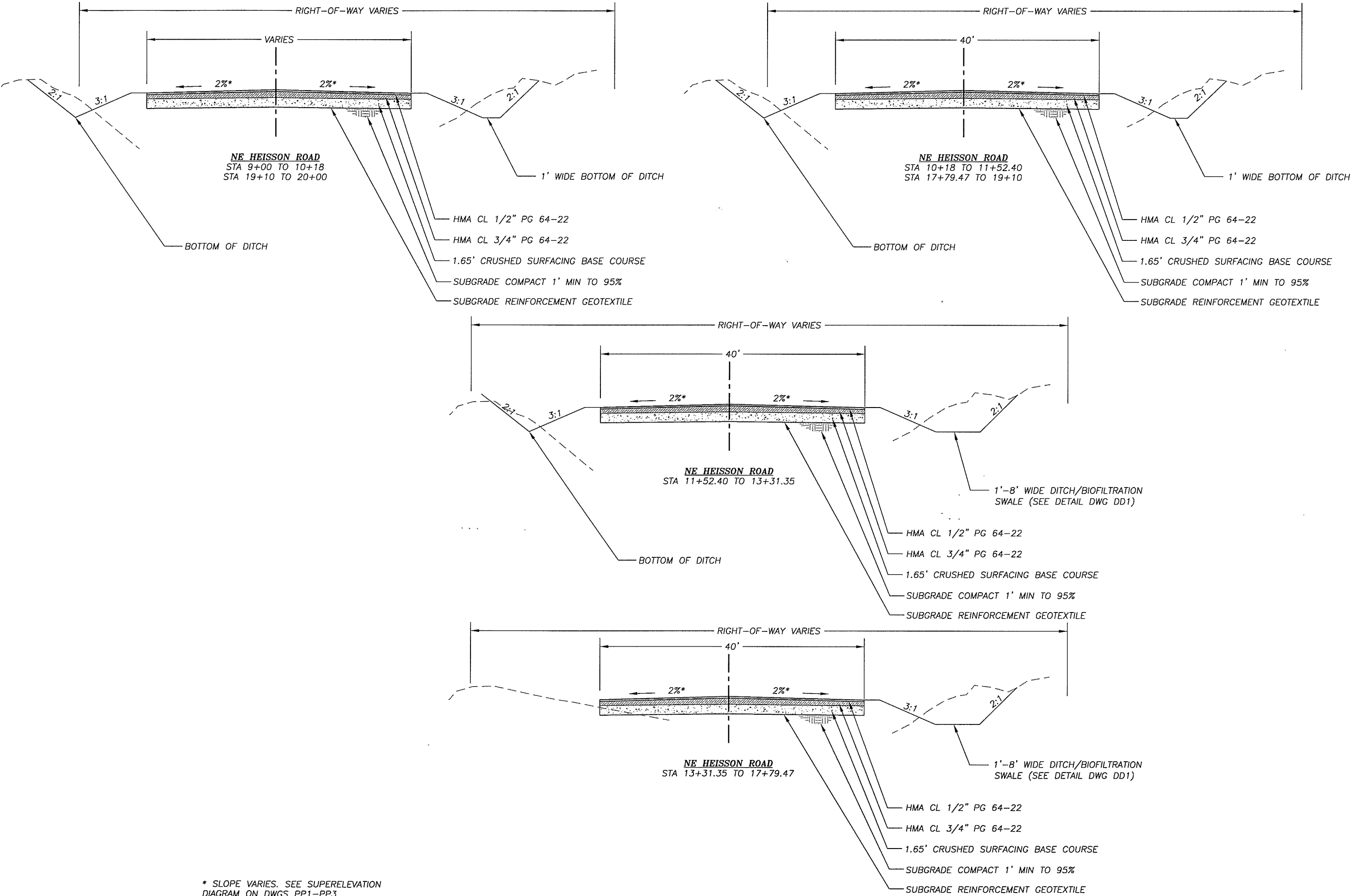
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DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
SUMMARY OF QUANTITIES & LEGEND

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WASHINGTON



PRELIMINARY



\* SLOPE VARIES. SEE SUPERELEVATION DIAGRAM ON DWGS PP1-PP3.

|          |         |
|----------|---------|
| DESIGNED | TP      |
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | NA      |
| VERT.    | NA      |
| DATE     | 9/21/04 |
| DWG.     | TS1     |
| SHEET    | OF      |

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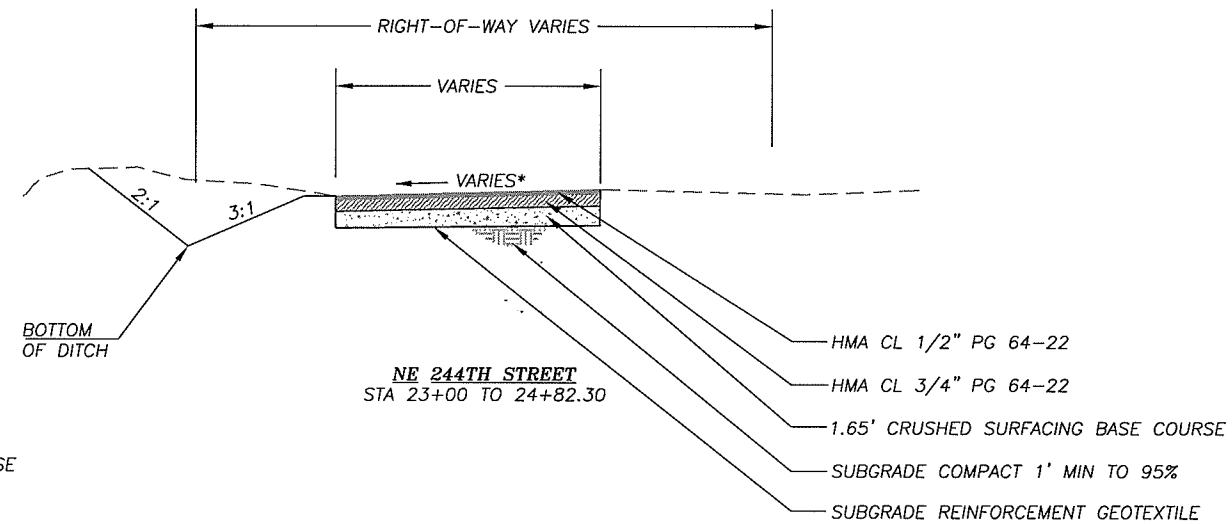
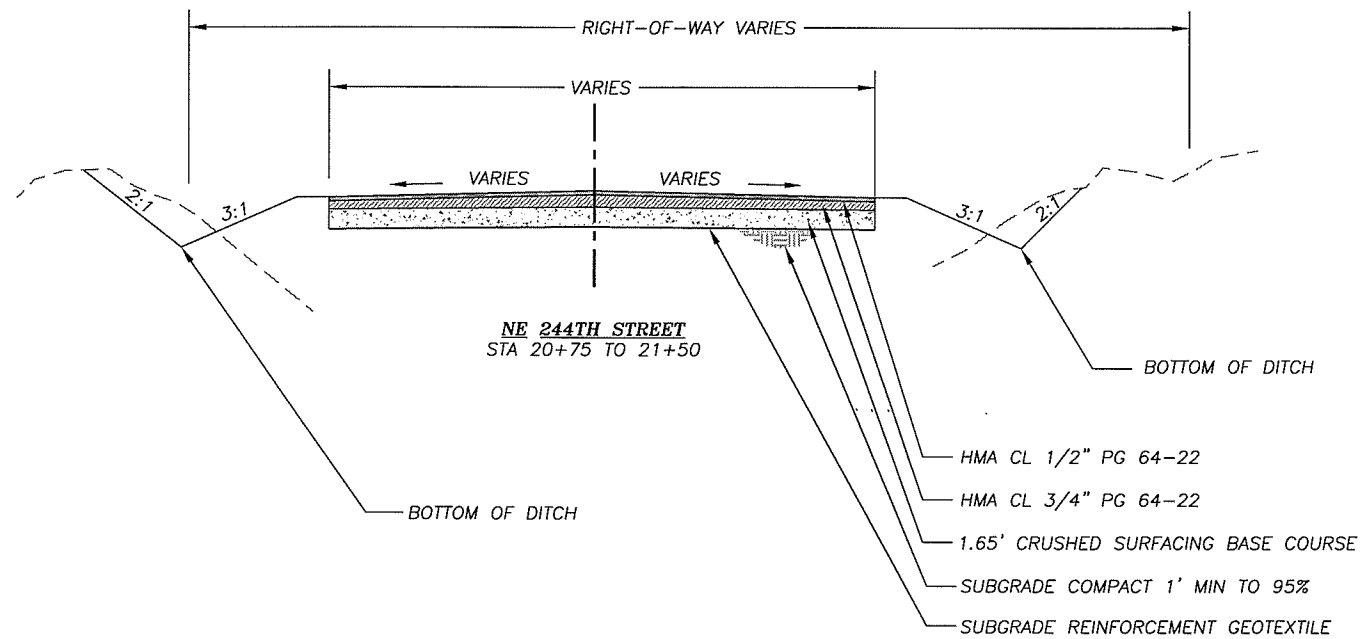
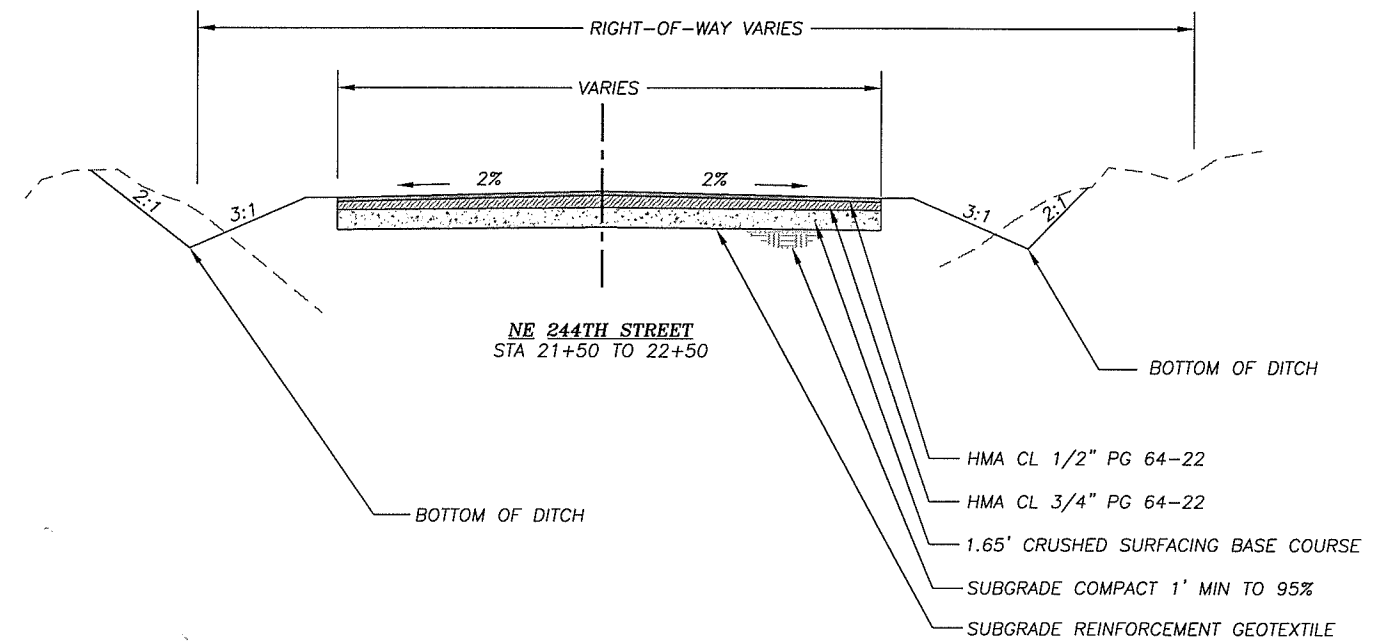
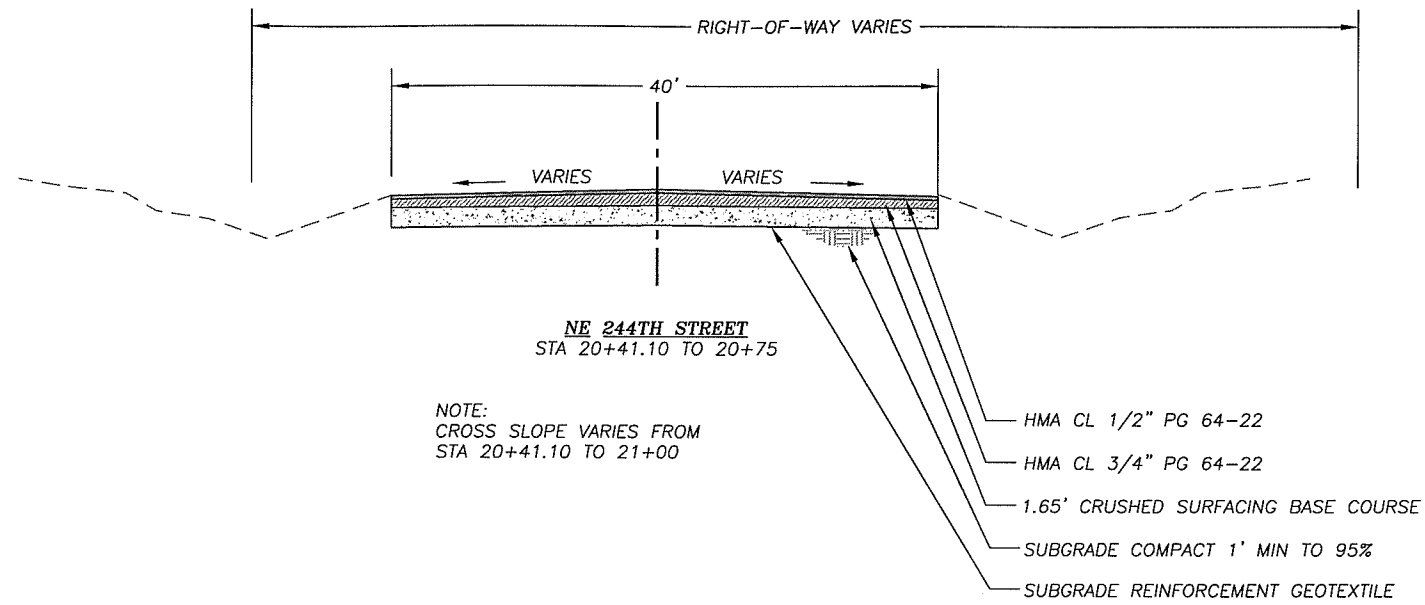
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CLARK COUNTY  
WASHINGTON  
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DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
TYPICAL SECTIONS

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\* SLOPE VARIES. SEE SUPERELEVATION  
DIAGRAM ON DWGS PP1-PP3.

PRELIMINARY

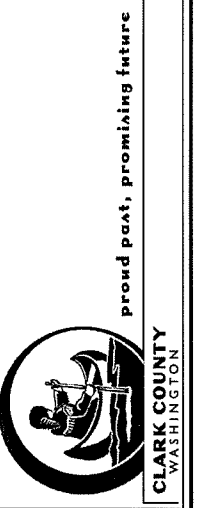
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|----------|---------|
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | NA      |
| VERT.    | NA      |
| DATE     | 9/21/04 |
| DWG.     | T52     |
| SHEET    | OF      |

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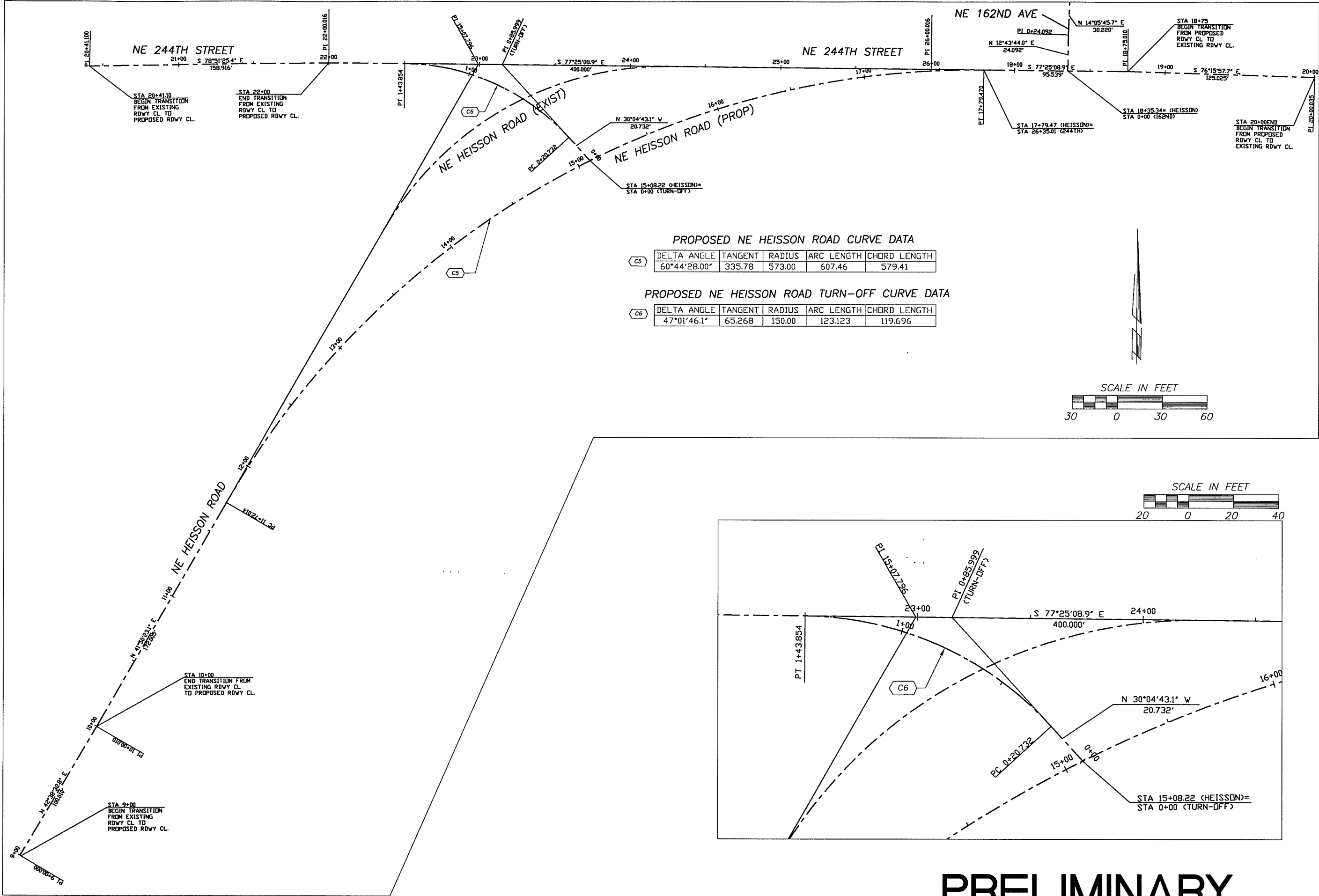


DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
TYPICAL SECTIONS





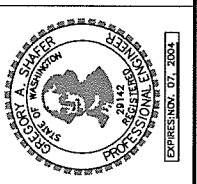
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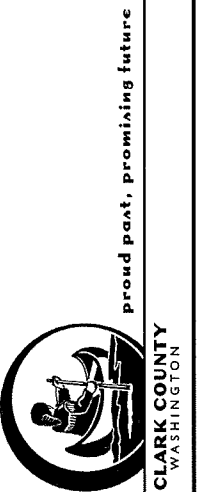
PRELIMINARY

| DESIGNED | TP      |
|----------|---------|
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | VARIES  |
| VERT.    | NA      |
| DATE     | 9/21/04 |
| DWG.     | HV1     |
| SHEET    | OF      |

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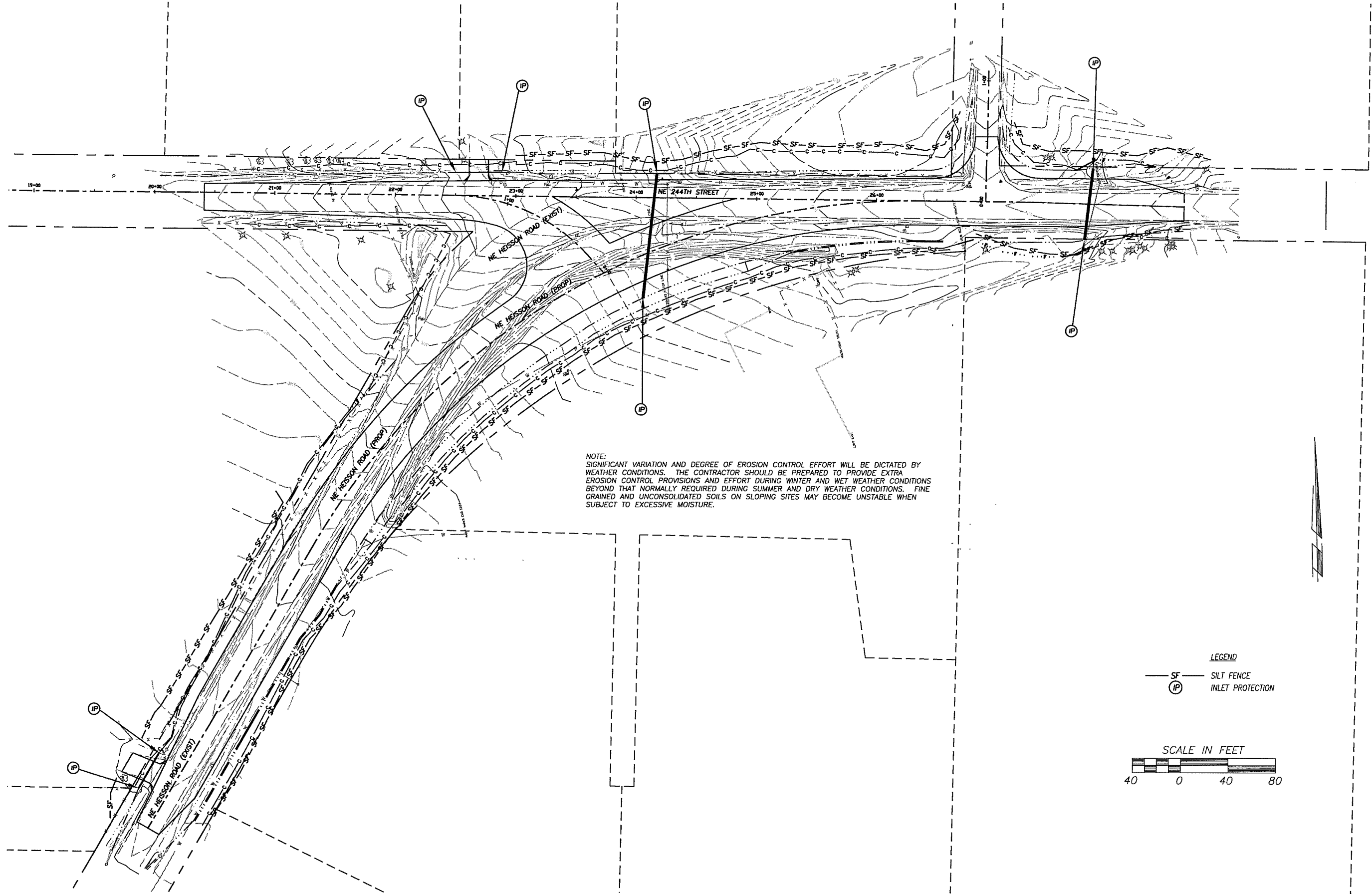


DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
HORIZONTAL AND VERTICAL CONTROL





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PRELIMINARY



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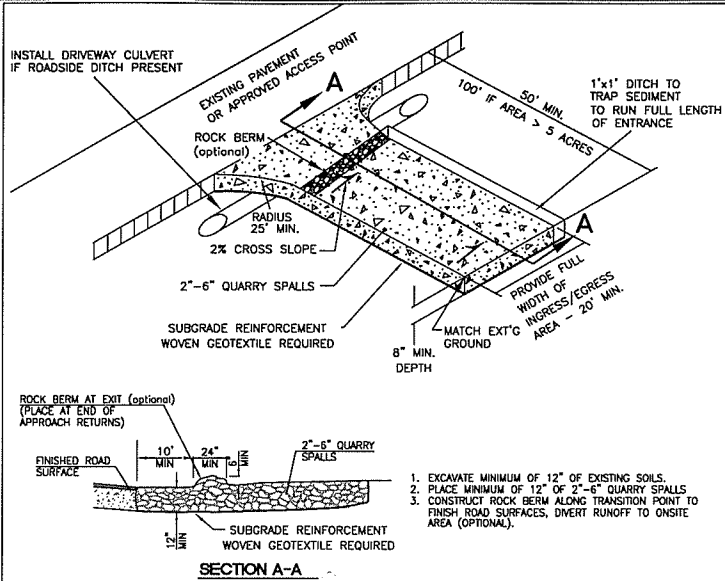
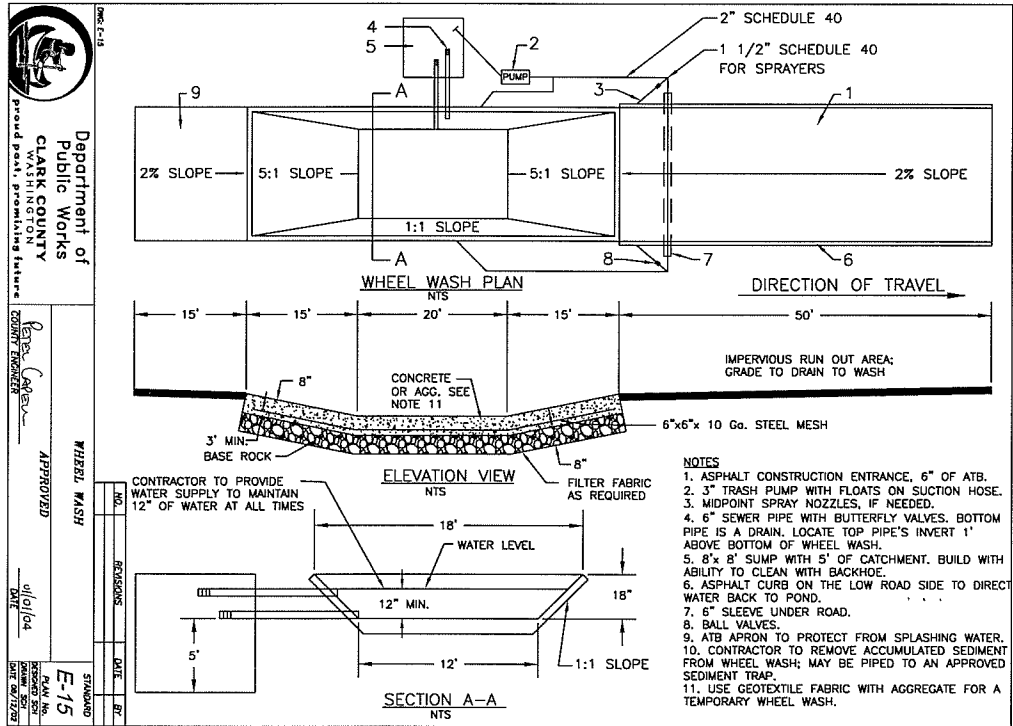
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NE HEISSON ROAD  
EROSION CONTROL PLAN



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UTILITIES  
NOTIFICATION CENTER

|          |         |
|----------|---------|
| DESIGNED | TP      |
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | 1"=40'  |
| VERT.    | NA      |
| DATE     | 9/21/04 |
| DWG.     | EC1     |
| SHEET    | OF      |





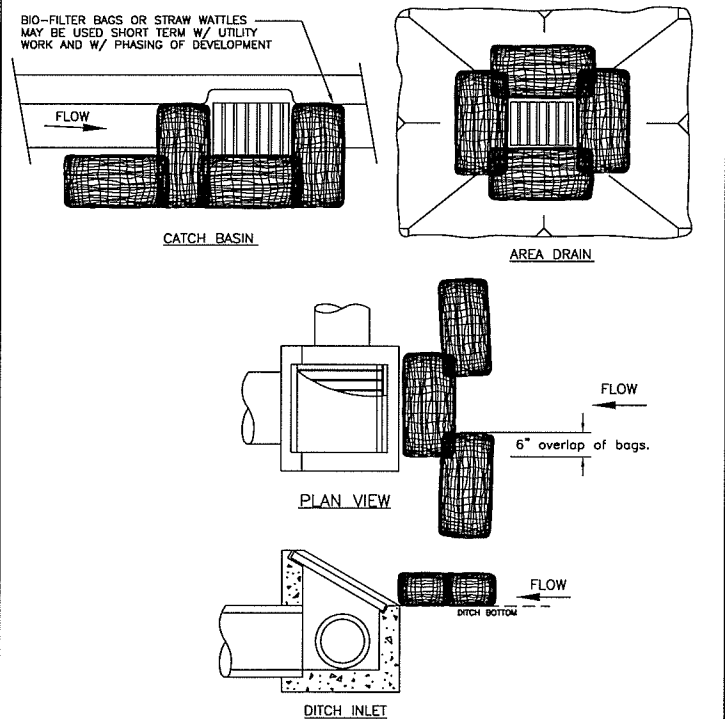
- NOTES:
1. FOR DEVELOPMENT PROJECTS REVIEWED BY ENGINEERING SERVICES, NOT FOR USE WITH SINGLE FAMILY OR DUPLEX RESIDENTIAL BUILDING PERMITS. SEE BUILDING DEPT. FOR GRAVEL CONSTRUCTION ENTRANCE PLAN.
  2. INSTALL WOVEN GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.
  3. VEHICLE WASHDOWN AREA, IF REQUIRED, IS TO BE INSTALLED AND USED TO REMOVE SEDIMENT FROM VEHICLES THAT ARE ABOUT TO ENTER AN ESTABLISHED ROAD.
  4. WASHDOWN AREA TO BE MADE UP OF CLEAN 2'-6" QUARRY SPALLS, 1" DEEP (MIN) OVER WOVEN GEOTEXTILE FABRIC. WASHDOWN AREA TO BE FULL WIDTH OF ENTRANCE AND 50' (MIN.), AND 100' IF EXPOSED SOIL IS OVER 5 ACRES.
  5. AT TIME OF PRECONSTRUCTION MEETING, THE COUNTY INSPECTOR MAY REQUIRE THE ENTRANCE TO BE PAVED TO THE EDGE OF THE RIGHT-OF-WAY PRIOR TO THE INSTALLATION OF A WASHDOWN ENTRANCE TO AVOID DAMAGE TO THE EXISTING ROADWAY.
  6. THE RESPONSIBLE EROSION CONTROL INDIVIDUAL IS TO ENSURE THAT ALL VEHICLES USE THIS ENTRANCE AND ARE TO BE INSPECTED AND CLEANED OF SOILS BEFORE LEAVING PROJECT, AND THAT THE ENTRANCE IS TO BE KEPT CLEAN AT ALL TIMES.

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
|     |           |      |    |

Department of Public Works  
CLARK COUNTY  
WASHINGTON  
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STANDARD CONSTRUCTION ENTRANCE  
APPROVED  
01/01/04  
DATE 01/01/04  
BY [Signature]

STANDARD  
E-1  
PLAN No.  
DESIGNED BY [Signature]  
CHECKED BY [Signature]  
DATE 01/01/04  
BY [Signature]



- NOTES:
1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPE.
  2. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2" WOODEN STAKES OR APPROVED EQUAL PER BAG.
  3. STRAW WATTLES MUST BE STABILIZED BY ATTACHING WIRE CLIPS TO THE CATCH BASIN PER MANUFACTURES SPECIFICATIONS.
  4. INLET PROTECTION MUST BE REGULARLY INSPECTED BY THE EROSION CONTROL INDIVIDUAL TO INSURE PROPER PLACEMENT/FUNCTION AND MAINTENANCE.

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
|     |           |      |    |

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CLARK COUNTY  
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INLET PROTECTION TYPE 4  
BIOFILTER BAGS  
APPROVED  
01/01/04  
DATE 01/01/04  
BY [Signature]

STANDARD  
E-3c  
DESIGNED BY [Signature]  
CHECKED BY [Signature]  
DATE 01/01/04  
BY [Signature]

PRELIMINARY

| DESIGNED | TP |
|----------|----|
|          |    |

| DRAWN | RK |
|-------|----|
|       |    |

| CRP | 330722 |
|-----|--------|
|     |        |

| HOR. | NA |
|------|----|
|      |    |

| VERT. | NA |
|-------|----|
|       |    |

| DATE | 9/21/04 |
|------|---------|
|      |         |

| DWG. | EC2 |
|------|-----|
|      |     |

| SHEET | OF |
|-------|----|
|       |    |

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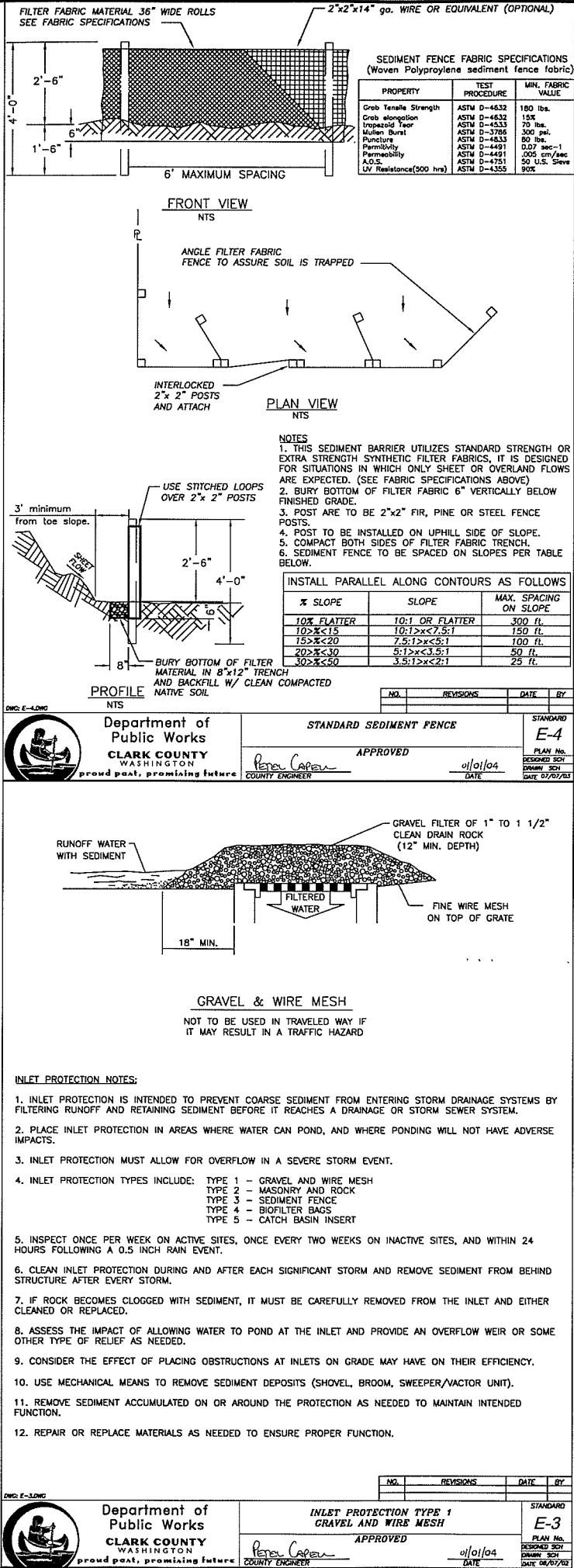
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DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
EROSION CONTROL DETAILS

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#### STANDARD NOTES FOR EROSION CONTROL PLAN

1. The Contractor shall install and maintain BMP's as shown and perform all actions necessary to prevent erosion, and control sediment from leaving the construction site. Site Contractor shall comply with Clark County Code Chapter 40.380.050.
2. All erosion control measures shall be in-place and in working condition prior to disturbing and exposing any soil surfaces (i.e. silt fence, construction entrance, sedimentation barriers, sedimentation traps).
3. All erosion prevention and control BMP's shall be maintained and repaired as needed to insure continued performance of their intended function. Needed repairs shall be made as soon as practicable. They are to remain in place and operational during all phases of construction. Construction activities shall not continue or resume until repairs to erosion control facilities are made and the facilities are functional. Any sediment leaving the site or discharging to a sensitive area shall be stopped and controlled immediately. Contaminated areas shall be cleaned and restored.
4. Clearing limits and work area limits shall be delineated and marked. Do not disturb more area than needed for construction requirements.
5. All sensitive or critical areas (wetlands, steep slopes, natural waterways), and buffers shall all be clearly delineated and clearly marked, and protected from sediment deposition. 6. Sediment laden runoff shall be prevented from entering all existing storm water catch basins and inlets affected by construction.
7. No exposed, bare soils shall remain unstabilized for more than two days during the period October 1 thru April 30 or for more than seven days during the period of May 1 through September 30. All disturbed soil surfaces shall be stabilized by a suitable application of "Best Management Practices".
8. Where feasible, no more than 500 feet of trench shall be open at one time. Excavated material shall be placed on the up-hill side of trenches provided it does not conflict with safety requirements.
9. Dewatering devices shall discharge into a sediment trap or sediment pond. No discharge shall be made to a paved street or stormwater collection system without first removing sediment.
10. Cut and fill slopes shall be constructed in a manner that will minimize erosion. Erosion shall be controlled and prevented by such measures as roughening the surface, installation of interceptor ditches, terracing, covering with matting, mulch or plastic sheeting. Runoff shall be prevented from entering a slope and from undercutting the base of slopes.
11. Any soil or debris transported onto roadways and sidewalks shall be removed. Deposits shall be completely removed by shoveling and/or sweeping. Washing shall not be utilized unless specifically approved in writing by the County.
12. All permanent infiltration systems shall be isolated and protected from sediment laden runoff entering to avoid risk of reducing the ability of the systems to infiltrate. Isolation and protection shall not be removed until the drainage area tributary to the system is completely stabilized.

CONTINUED ON SHEET 2



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Public Works  
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STANDARD NOTES FOR  
EROSION CONTROL PLAN  
APPROVED  
Peter Capen  
COUNTY ENGINEER  
01/01/04  
DATE



Department of  
Public Works  
CLARK COUNTY  
WASHINGTON  
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STANDARD NOTES (CONTINUED) FOR  
EROSION CONTROL PLAN  
APPROVED  
Peter Capen  
COUNTY ENGINEER  
01/01/04  
DATE



STANDARD  
ECN2  
PLAN No.  
DESIGNED BY  
DRAWN BY  
DATE 01/22/03

#### STANDARD NOTES FOR EROSION CONTROL PLAN (CONTINUED)

13. All conveyance channels, both temporary and permanent shall be stabilized to prevent erosion of the channel. Stabilization shall extend to areas at outlets and downstream reaches vulnerable to erosion resulting from flow discharging from the channel.
14. If BMP's shown are utilized but are insufficient to prevent sediment from reaching water bodies, adjacent properties, or public rights-of-way; additional BMP's shall be implemented immediately to prevent further encroachment of sediment.
15. Stabilized areas shall be provided for employee parking and storage of construction materials. Erodeable stockpiles of earthen materials, such as topsoil, silty and clayey soils; and landscape materials, shall be covered when not being incorporated in the work. Erosion control BMP's shall be utilized as necessary to prevent sediment laden runoff from leaving or sediment being transported from these areas from vehicle activity.
16. All pollutants other than sediment that occur during construction shall be handled and disposed of in a manner that does not cause contamination of storm water.
17. The Contractor shall keep an inspection log of the condition of the erosion control facilities. Erosion control facilities shall be inspected at least weekly and after each rainfall. The inspection log shall be kept at the project site at a designated location and shall be available for review by the County. An individual that has successfully completed the County's Erosion Control Certification course shall perform inspections and maintain the log.
18. All temporary BMP's shall be removed within 30 days after final site stabilization is achieved. Trapped sediment shall be deposited and stabilized on site. Areas disturbed from removal shall be permanently stabilized.
19. Construction shall not be considered complete and acceptable until all disturbed soil surfaces have been protected from erosion with permanent landscaping, covering with impervious surfaces, restored to original undisturbed condition or permanently stabilized.
20. Vegetated stabilization and landscaping shall be fertilized, watered and maintained to insure that growth of vegetation is established and sustained.
21. During dry weather construction periods the contractor shall provide project-specific dust control measures that may include: Seeding, Mulching, Matting, Water, Tackifier, or Chemical Soil Stabilizers. The contractor shall maintain the dust control measures through dry weather periods until all disturbed areas have been stabilized. Immediately re-stabilize areas disturbed by contractor's operations or other activities (wind, water, vandalism, etc.).
22. Entry onto the construction site shall be restricted to a single approved entrance as shown on the plan.
23. Maintenance and repair of heavy equipment and vehicles which involve potential contaminants (oil, solvents, hydraulic fluid, etc.) must be conducted in a manner which prevents contamination of soils, surface water and ground water. Tarps, drip pans, or other appropriate measures shall be used as necessary.
24. Stripping, topsoil, and unsuitable material stockpiles shall be hydroseeded with "regreen wheat x wheat grass hybrid" by Hobbs and Hobbs (or approved equal). Maintenance of stockpile areas and reapplication of hydroseed covering shall be required if bare soil is present. During winter and wet weather conditions, stockpiles shall be covered with plastic sheeting per detail E-16.

# PRELIMINARY

DESIGN & ENGINEERING DIVISION  
DESIGN SECTION

NE HEISSON ROAD  
EROSION CONTROL DETAILS



proud past, promising future  
CLARK COUNTY  
WASHINGTON

|          |         |
|----------|---------|
| DESIGNED | TP      |
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | NA      |
| VERT.    | NA      |
| DATE     | 9/21/04 |
| DWG.     | EC3     |
| SHEET    | OF      |

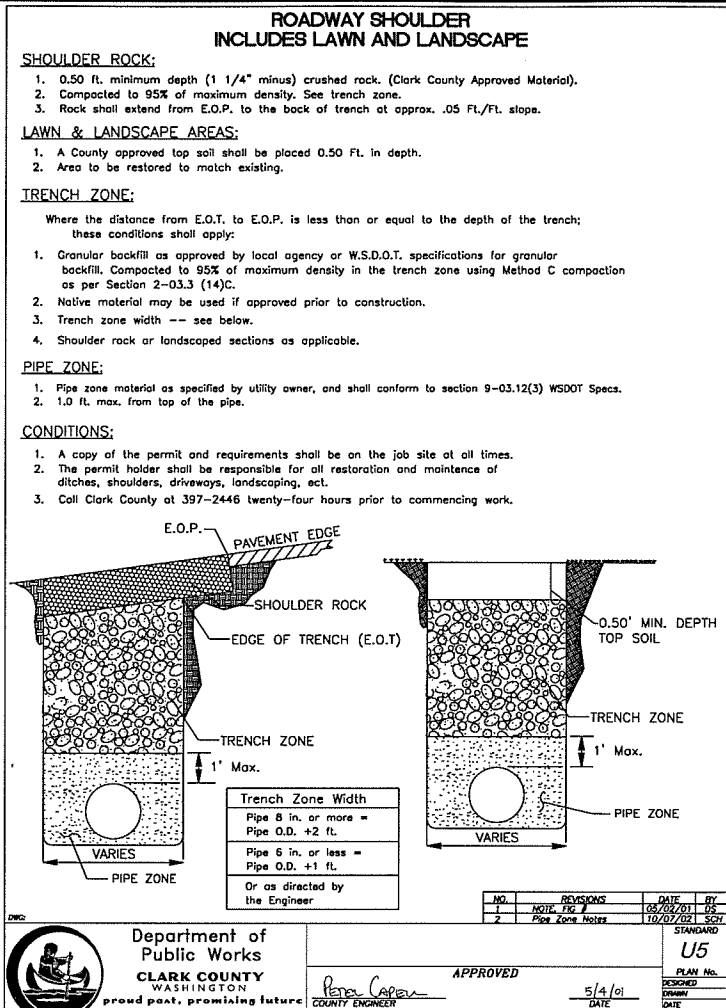
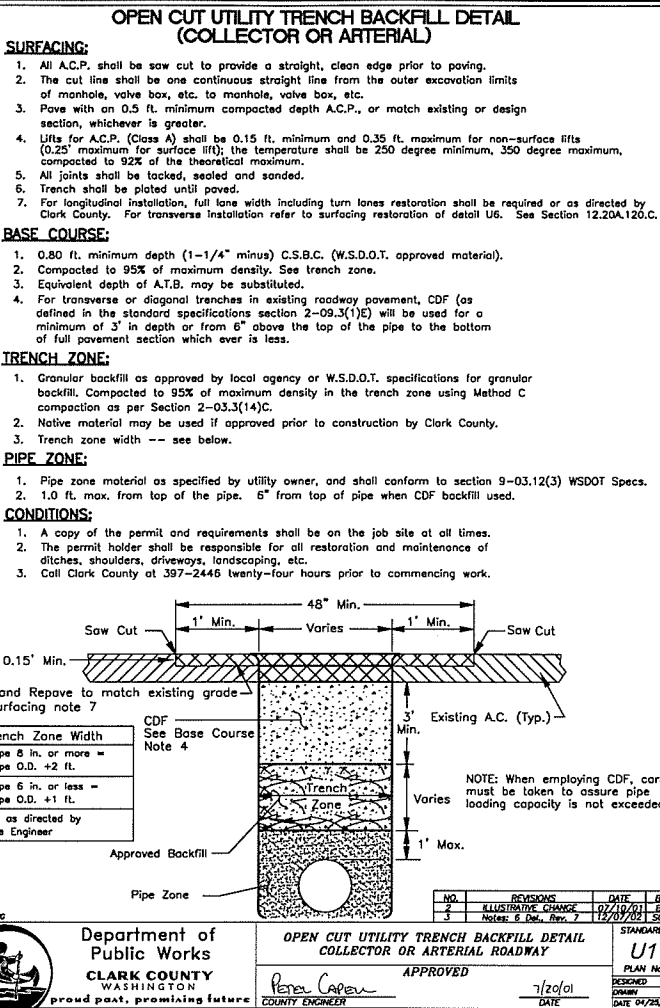
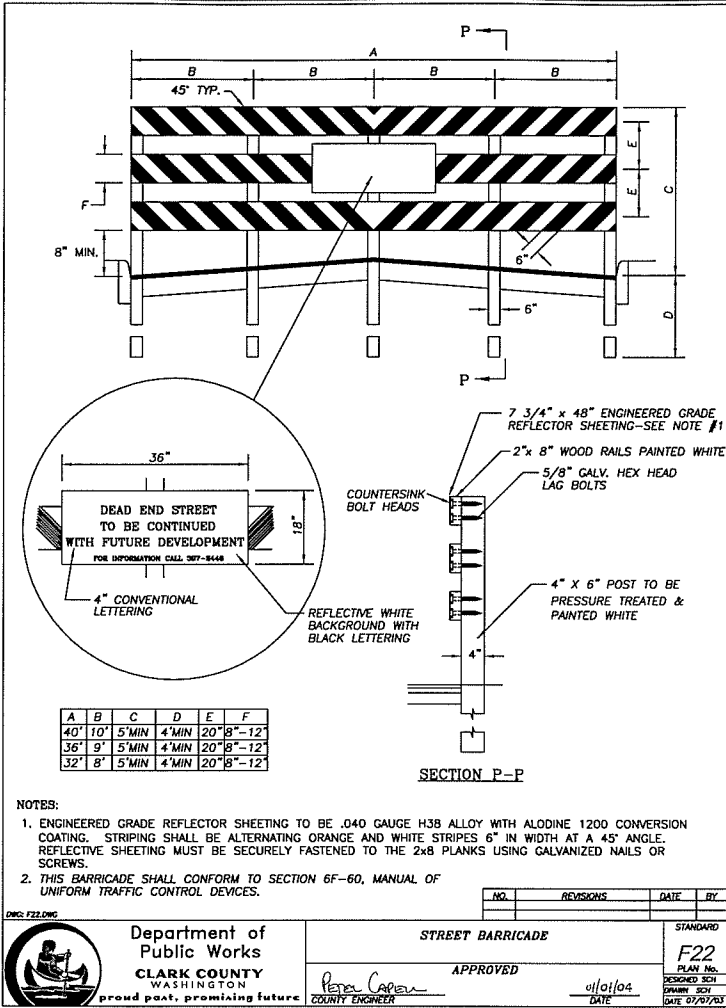
CALL 48 HOURS  
BEFORE YOU DIG

1-800-  
553-4344  
"It's the Low"

NORTHWEST  
NOTIFICATION CENTER

EXPRESS DELIVERY 07/2004

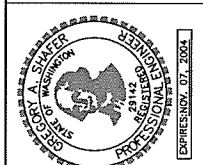
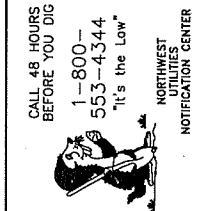




DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
ROADWAY DETAILS



|          |         |
|----------|---------|
| DESIGNED | TP      |
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | NA      |
| VERT.    | NA      |
| DATE     | 9/21/04 |
| DWG.     | DO1     |
| SHEET    | OF      |

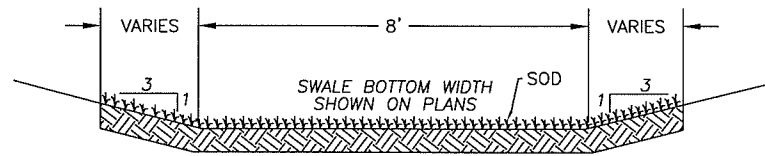


proud past, promising future

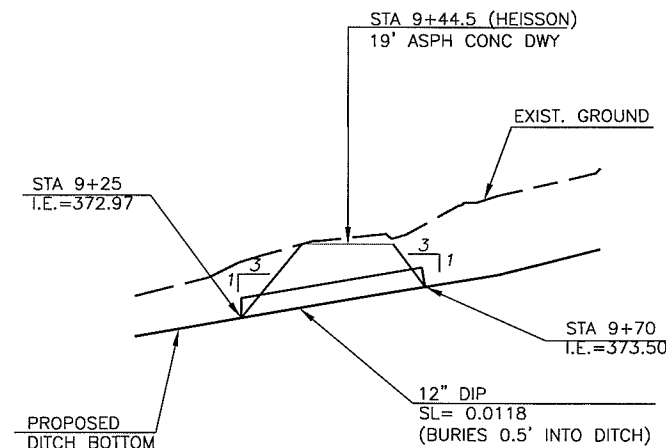


NOTES

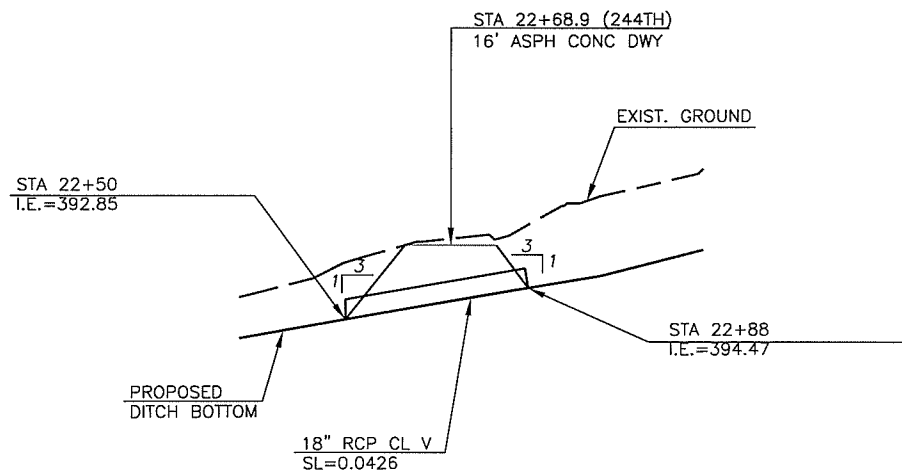
1. TOP SOIL TO BE TYPE A. (INCL IN PAYMENT OF SWALE).
2. INSTALL SOD ON SWALE BOTTOM ALL DISTURBED AREAS. WITHIN THE SWALE.
3. SWALE VEGETATION TO BE WELL ESTABLISHED PRIOR TO PAVING.
4. SEED MIX FOR BIOFILTRATION SWALE  
PERENNIAL RYEGRASS 20%  
KENTUCKY BLUEGRASS 30%  
TALL FESCUE, ALTA FESCUE 30%  
RED FESCUE 20%



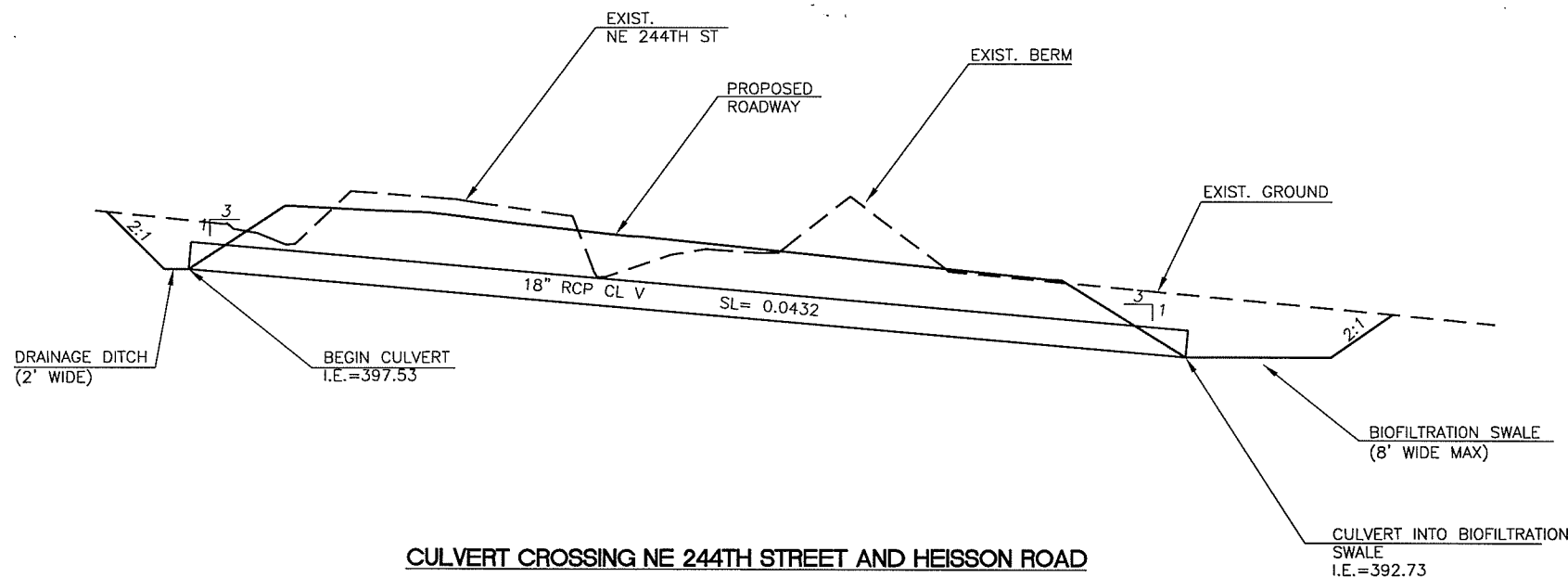
BIOFILTRATION SWALE  
NTS



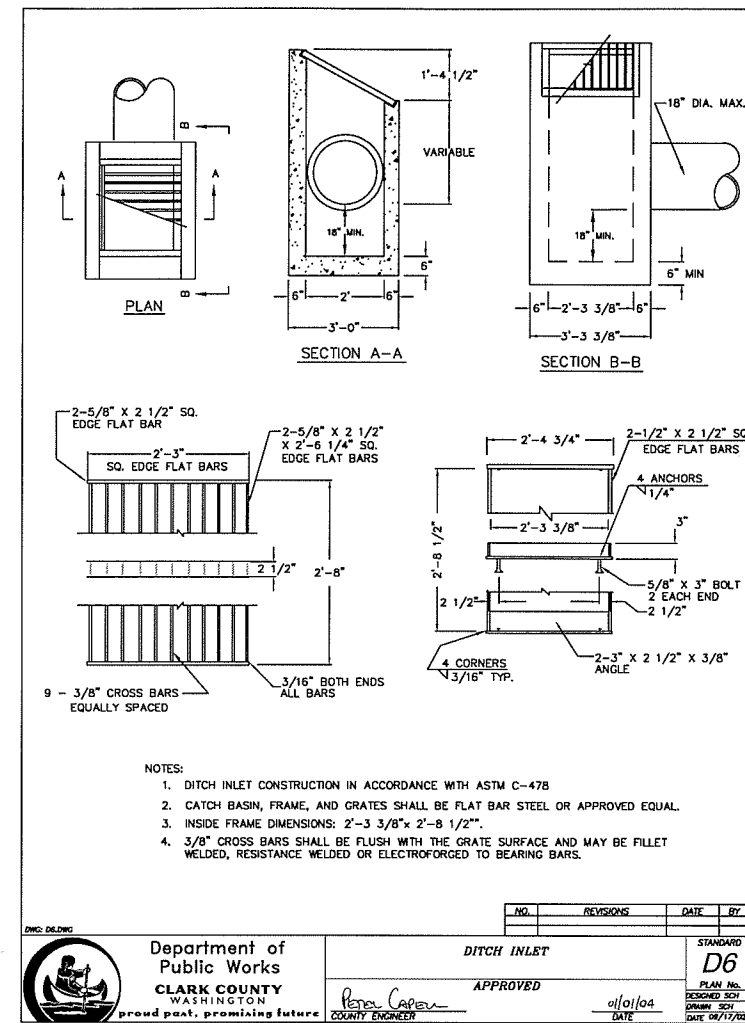
DRIVEWAY CULVERT WEST OF HEISSON ROAD  
NTS



DRIVEWAY CULVERT NE 244TH STREET  
NTS



CULVERT CROSSING NE 244TH STREET AND HEISSON ROAD  
NTS



DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
DRAINAGE DETAILS



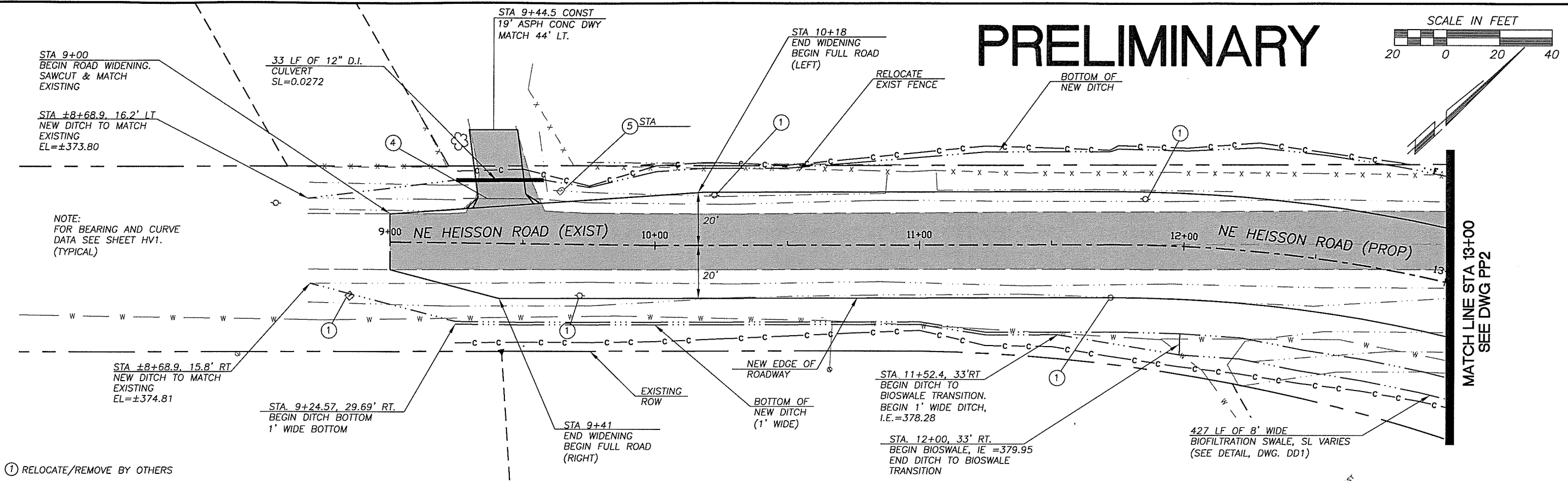
CALL 48 HOURS BEFORE YOU DIG  
1-800-553-4344  
"It's the Low"  
NORTHWEST UTILITIES  
NOTIFICATION CENTER

DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. AS SHOWN  
VERT. AS SHOWN  
DATE 9/21/04  
DWG. DD1  
SHEET OF

PRELIMINARY



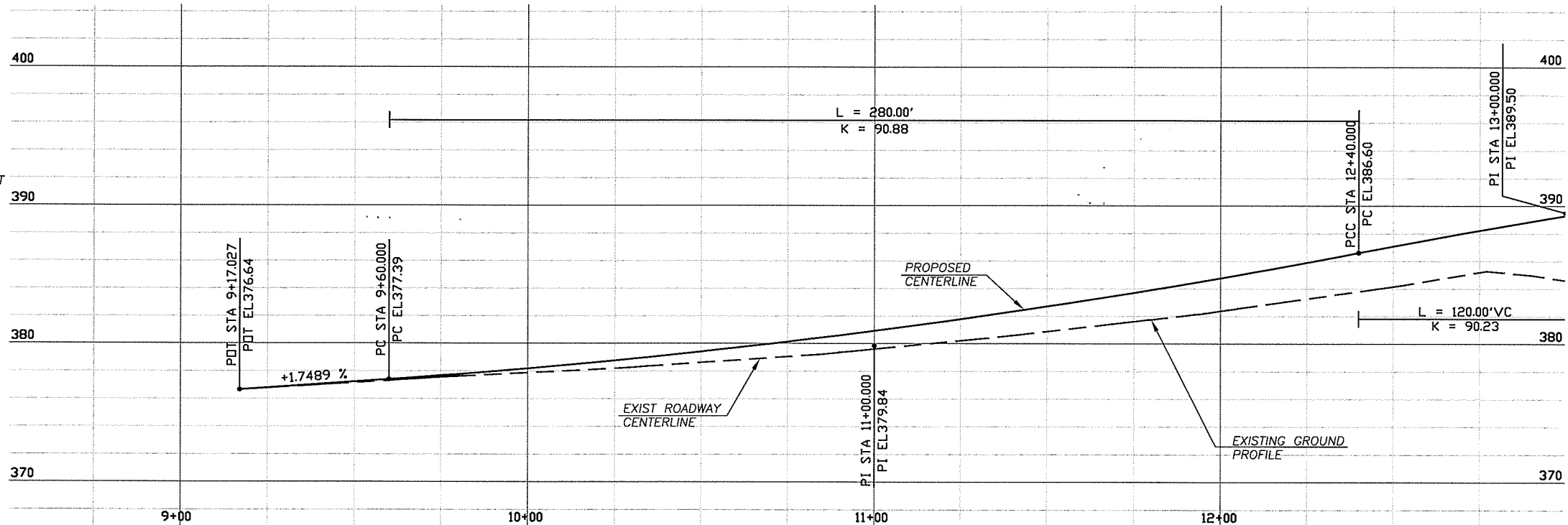
N:\CIP\PROJECTS\330722-NEHeissonRoad\DESIGN\DWG\SHRPP1.dwg, 9/20/2004 3:10:09 PM, kerrinr



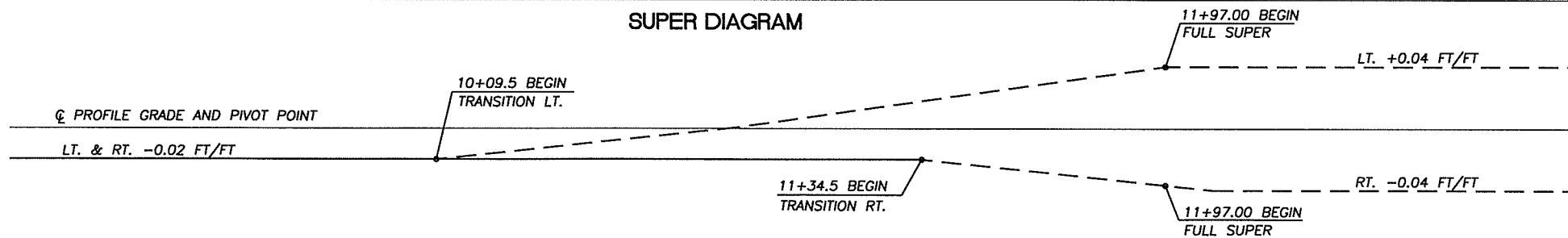
- ① RELOCATE/REMOVE BY OTHERS
  - ② ADJUST MH RIM/CB GRATE TO FG
  - ③ ADJUST VALVE COVER/METER BOX TO FG
  - ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
  - ⑤ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)
  - ⑥ RELOCATE SIGN
- SAWCUT AND REMOVE EXT RDWY STRUCTURE TO LIMITS SHOWN. REPLACE PER TYPICAL SECTIONS AND PLAN LAYOUT

UNADJUSTED EARTHWORK QUANTITIES

|            |        |
|------------|--------|
| EXCAVATION | X C.Y. |
| EMBANKMENT | X C.Y. |



**SUPER DIAGRAM**



DESIGN & ENGINEERING DIVISION

DESIGN SECTION

NE HEISSON ROAD  
PLAN & PROFILE (B.O.P. TO STA 13+00)



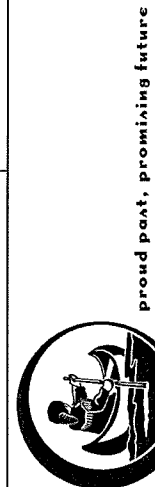
|          |         |    |
|----------|---------|----|
| DESIGNED | TP      | OF |
| DRAWN    | RK      |    |
| CRP      | 330722  |    |
| HOR.     | 1"-800' |    |
| VERT.    | 1"=20'  |    |
| DATE     | 9/21/04 |    |
| DWG.     | PP1     |    |
| SHEET    |         |    |

CALL 48 HOURS BEFORE YOU DIG

1-800-553-4344

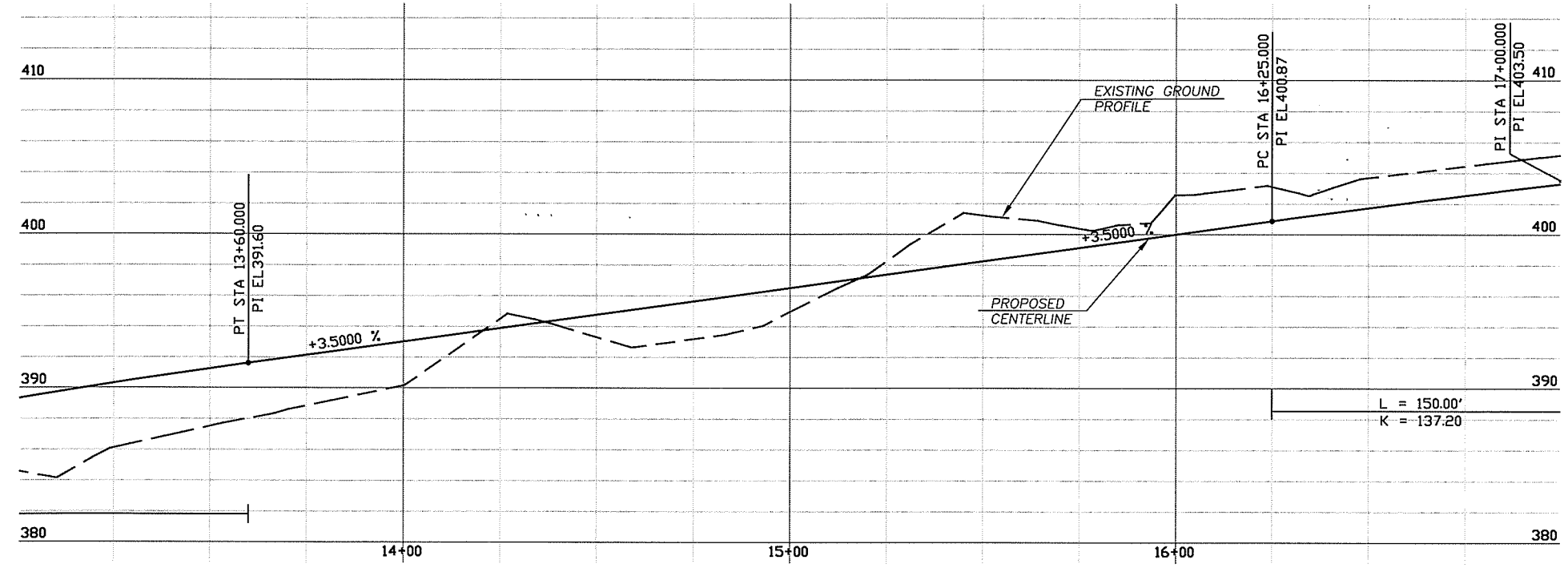
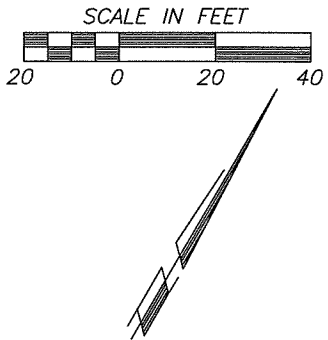
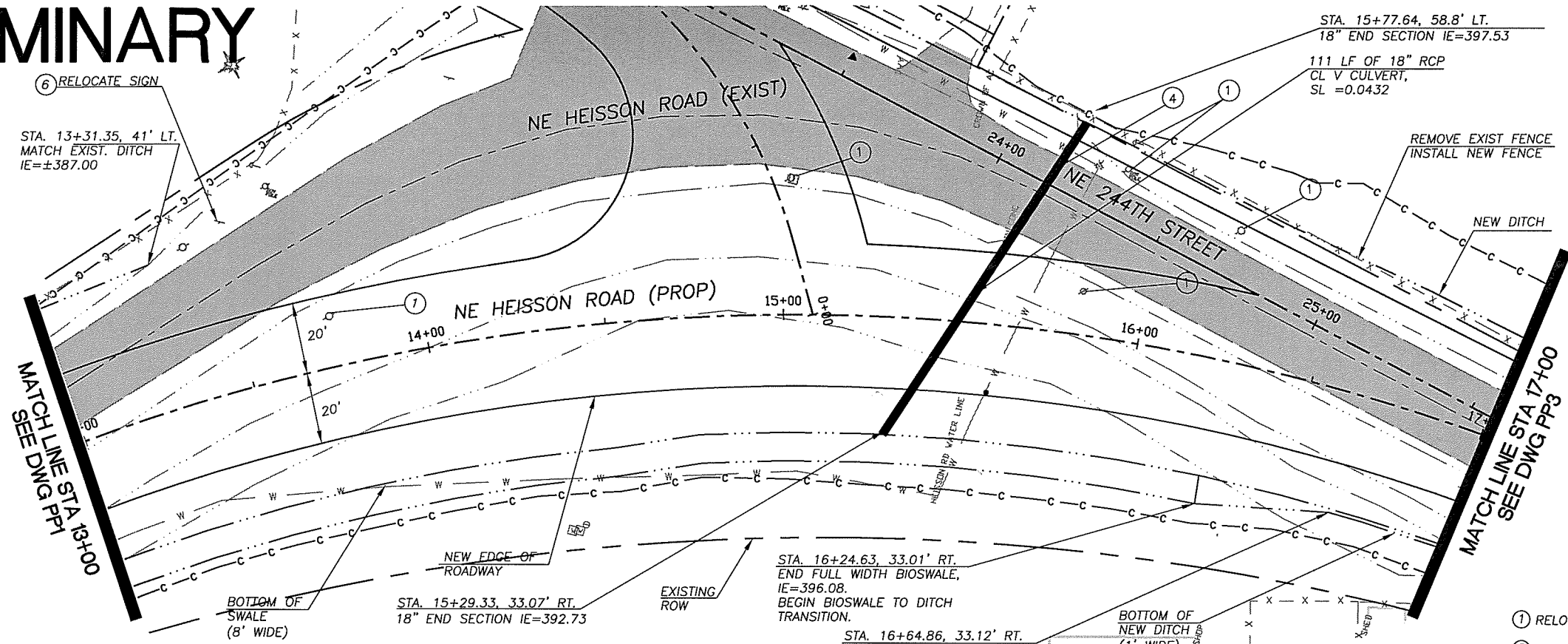
"It's the Low"

NORTHWEST MUTUALITY NOTIFICATION CENTER





PRELIMINARY



- ① RELOCATE/REMOVE BY OTHERS
  - ② ADJUST MH RIM/CB GRATE TO FG
  - ③ ADJUST VALVE COVER/METER BOX TO FG
  - ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
  - ⑤ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)
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- SAWCUT AND REMOVE EXT RDWY STRUCTURE TO LIMITS SHOWN. REPLACE PER TYPICAL SECTIONS AND PLAN LAYOUT

UNADJUSTED EARTHWORK QUANTITIES

|            |   |      |
|------------|---|------|
| EXCAVATION | X | C.Y. |
| EMBANKMENT | X | C.Y. |

SUPER DIAGRAM

LT. +0.04 FT/FT

Q PROFILE GRADE AND PIVOT POINT

RT. -0.04 FT/FT

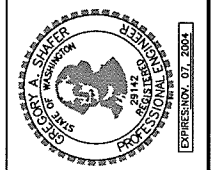
|          |         |
|----------|---------|
| DESIGNED | TP      |
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | 1"=20'  |
| VERT.    | 1"=5'   |
| DATE     | 9/21/04 |
| DWG.     | PP2     |
| SHEET    | OF      |

CALL 48 HOURS BEFORE YOU DIG

1-800-553-4344

"It's the Low"

NORTHWEST NOTIFICATION CENTER

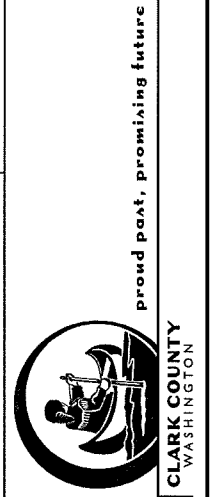


DESIGN & ENGINEERING DIVISION

DESIGN SECTION

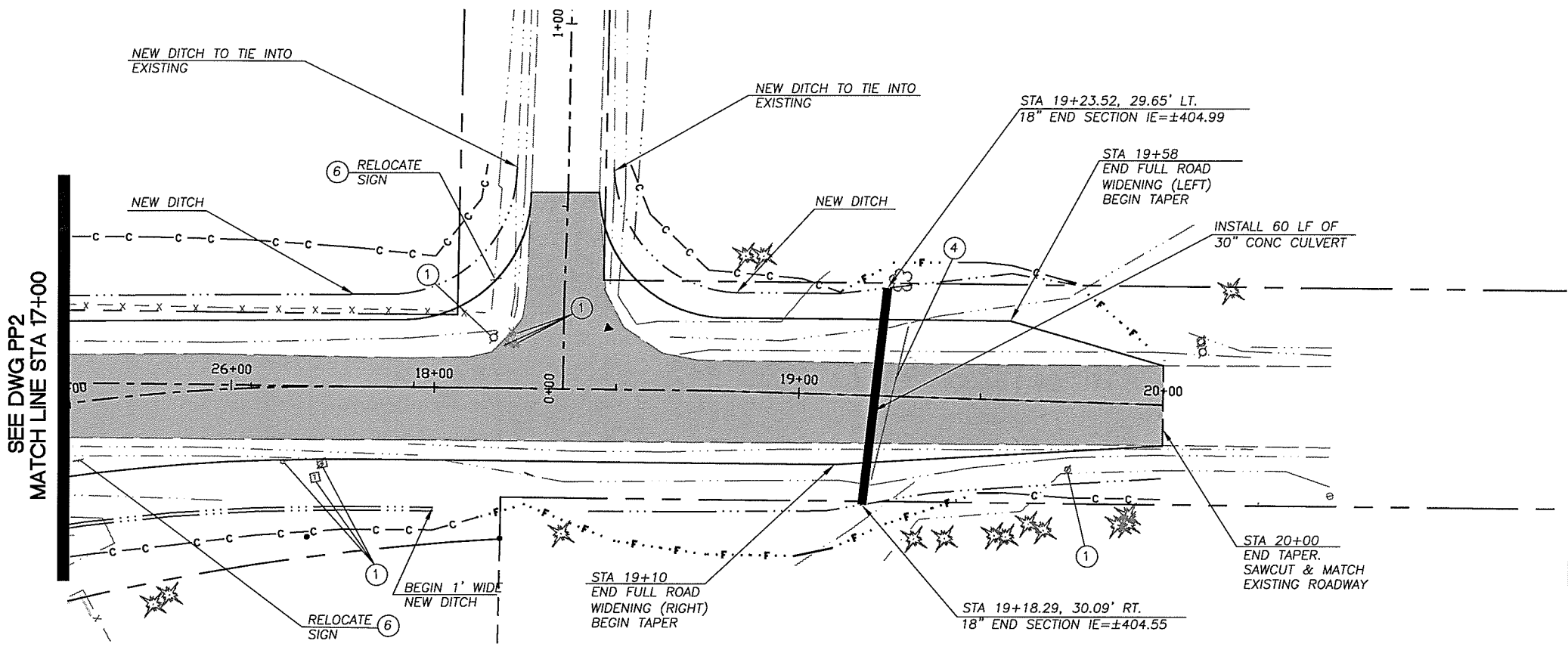
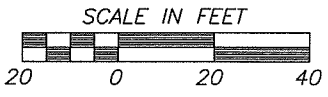
NE HEISSON ROAD

PLAN & PROFILE (STA 13+00 TO 17+00)

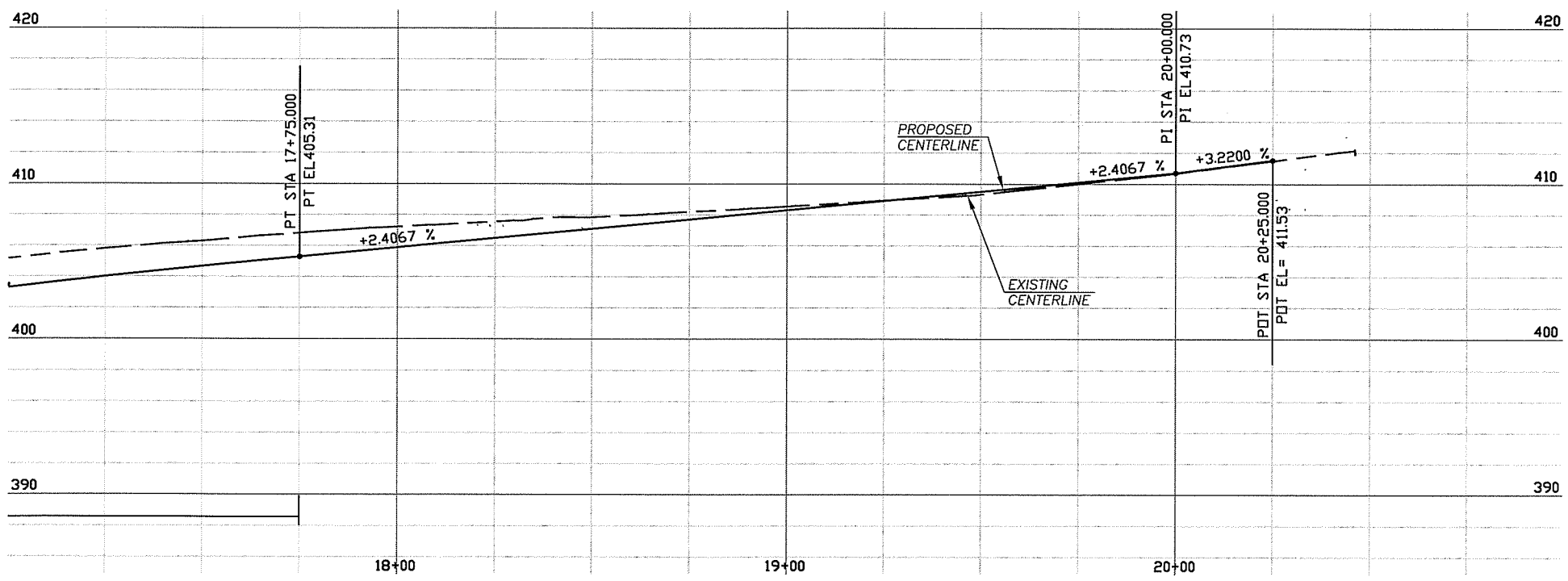




PRELIMINARY

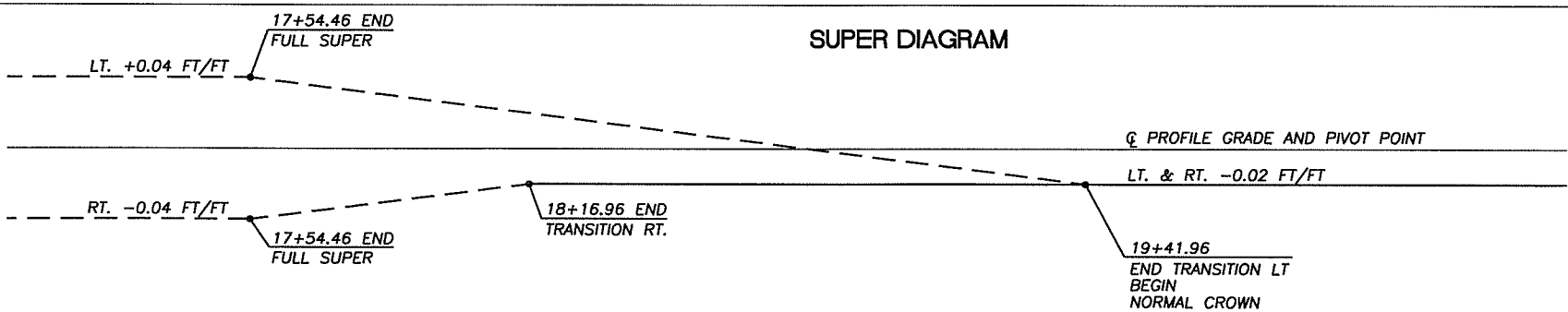


- ① RELOCATE/REMOVE BY OTHERS
  - ② ADJUST MH RIM/CB GRATE TO FG
  - ③ ADJUST VALVE COVER/METER BOX TO FG
  - ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
  - ⑤ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)
  - ⑥ RELOCATE SIGN
- SAWCUT AND REMOVE EXT RDWY STRUCTURE TO LIMITS SHOWN. REPLACE PER TYPICAL SECTIONS AND PLAN LAYOUT



UNADJUSTED EARTHWORK QUANTITIES

|            |   |      |
|------------|---|------|
| EXCAVATION | X | C.Y. |
| EMBANKMENT | X | C.Y. |



DESIGNED TP

DRAWN RK

CRP 330722

HOR. 1"=20'

VERT. 1"=5'

DATE 9/21/04

DWG. PP3

SHEET OF

CALL 48 HOURS BEFORE YOU DIG

1-800-553-4344

"It's the Low"

NORTHWEST UTILITIES

NOTIFICATION CENTER

DESIGN & ENGINEERING DIVISION

DESIGN SECTION

NE HEISSON ROAD

PLAN & PROFILE (STA 17+00 TO E.O.P.)

providing past, promising future

CLARK COUNTY WASHINGTON

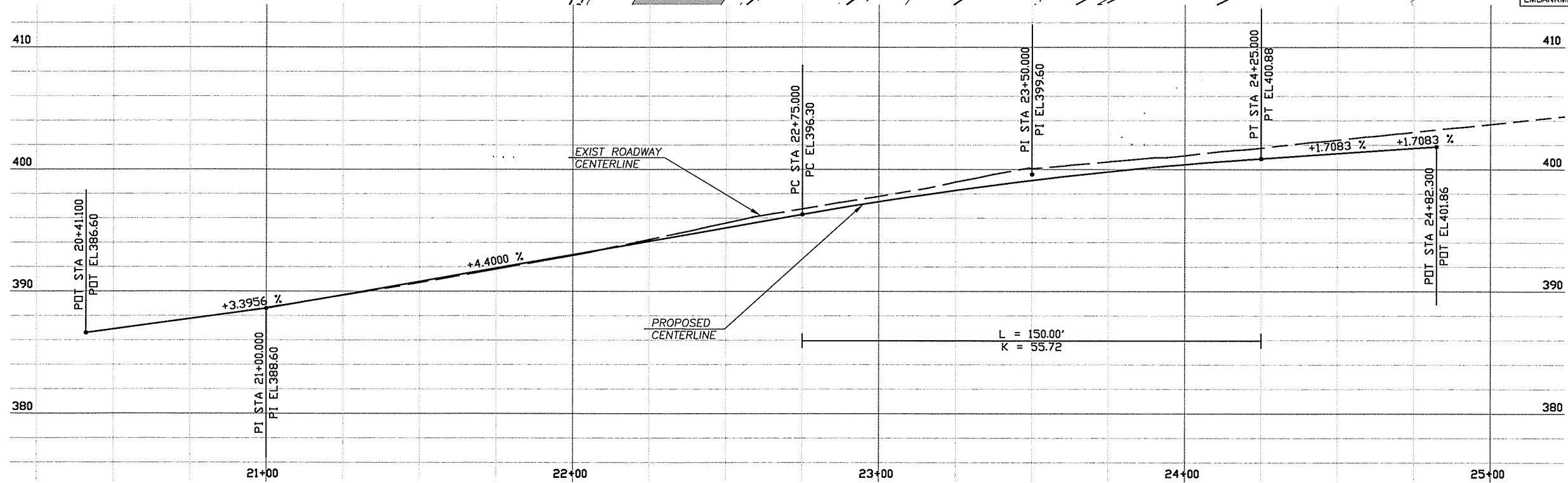
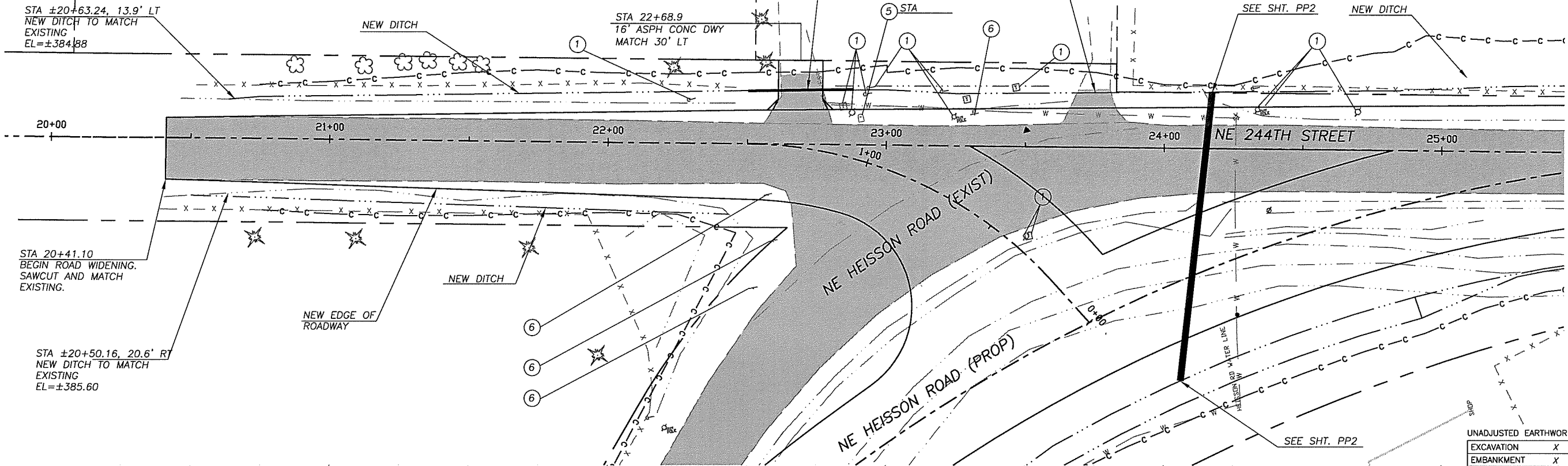


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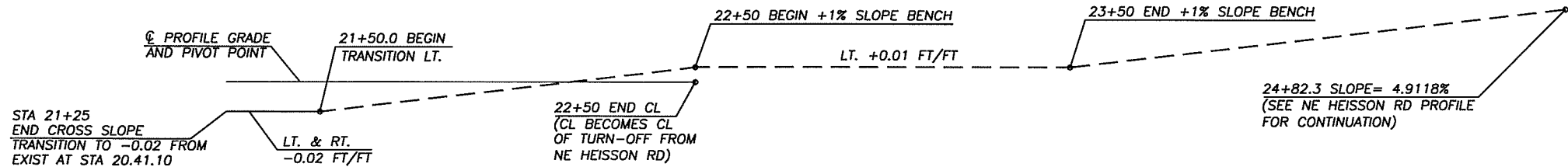
- ① RELOCATE/REMOVE BY OTHERS
  - ② ADJUST MH RIM/CB GRATE TO FG
  - ③ ADJUST VALVE COVER/METER BOX TO FG
  - ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
  - ⑤ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)
  - ⑥ RELOCATE SIGN
- SAWCUT AND REMOVE EXT RDWY STRUCTURE TO LIMITS SHOWN. REPLACE PER TYPICAL SECTIONS AND PLAN LAYOUT

# PRELIMINARY

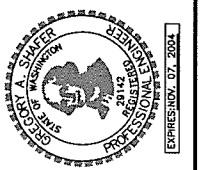
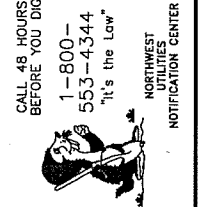
SCALE IN FEET  
20 0 20 40



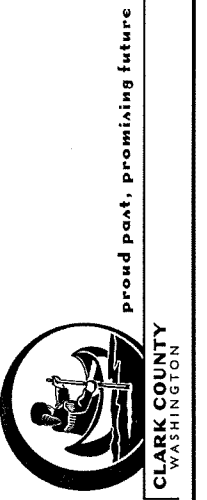
## SUPER DIAGRAM



| DESIGNED            | TP          |
|---------------------|-------------|
| 330722              | CRP         |
| 1-800-553-4344      | HOR. 1"=20' |
| 553-4344            | VERT. 1"=5' |
| DATE 9/21/04        | DWG: PP4    |
| NOTIFICATION CENTER | SHEET       |



DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
PLAN & PROFILE (NE 244TH STREET)

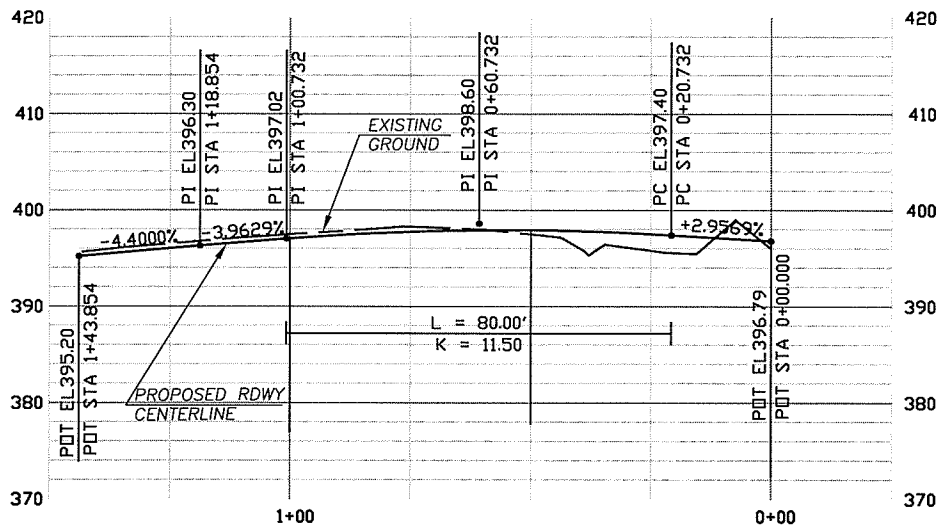
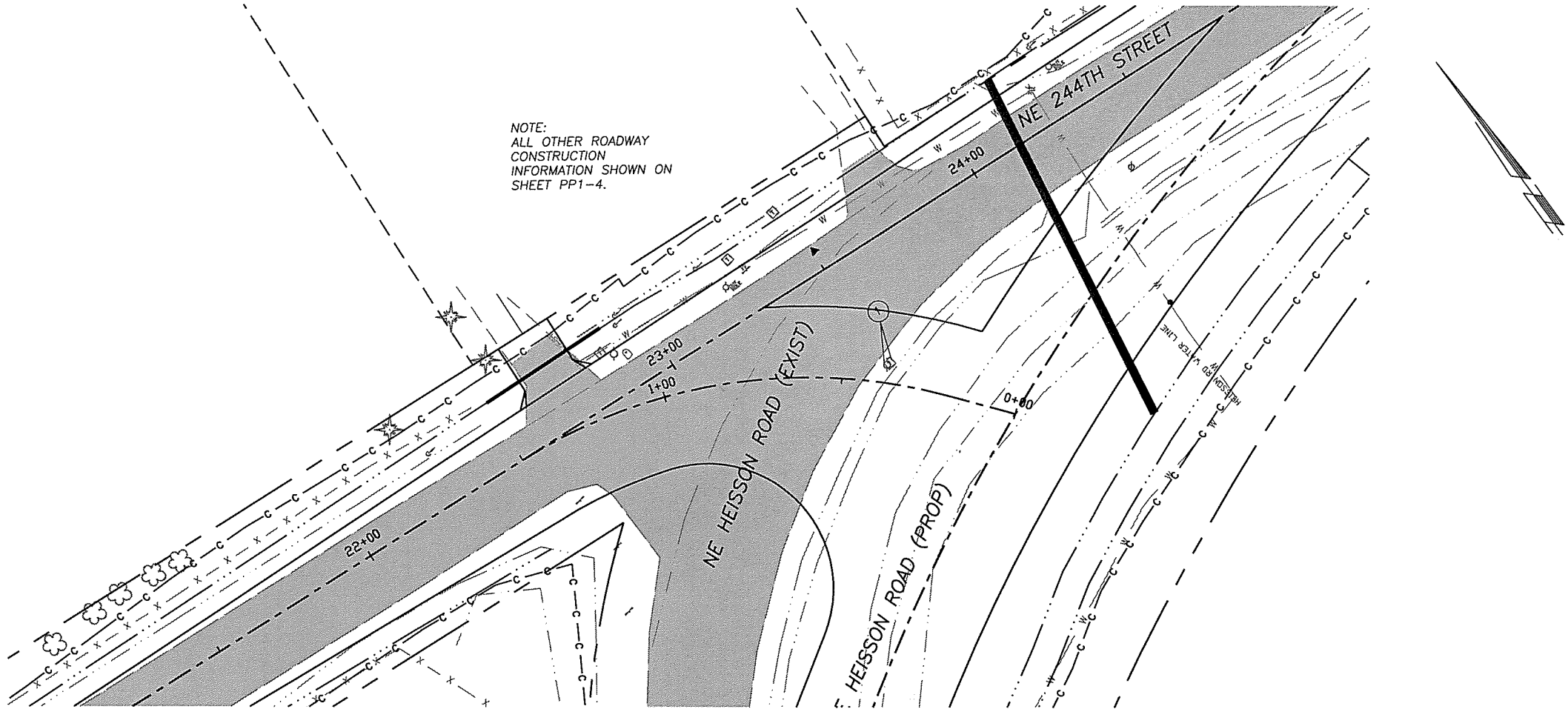




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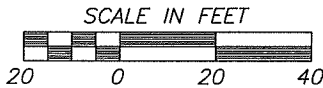
PRELIMINARY

- ① RELOCATE/REMOVE BY OTHERS  
② ADJUST MH RIM/CB GRATE TO FG  
③ ADJUST VALVE COVER/METER BOX TO FG  
④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE  
⑤ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)  
⑥ RELOCATE SIGN  
SAWCUT AND REMOVE EXT RDWY STRUCTURE TO LIMITS SHOWN. REPLACE PER TYPICAL SECTIONS AND PLAN LAYOUT



UNADJUSTED EARTHWORK QUANTITIES

|            |        |
|------------|--------|
| EXCAVATION | X C.Y. |
| EMBANKMENT | X C.Y. |

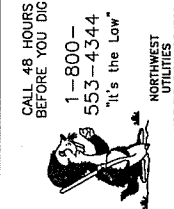


proud past, promising future

CLARK COUNTY  
WASHINGTON

DESIGN & ENGINEERING DIVISION  
DESIGN SECTION

NE HEISSON ROAD  
PLAN & PROFILE (HEISSON/ NE 244TH ST TURN OFF)

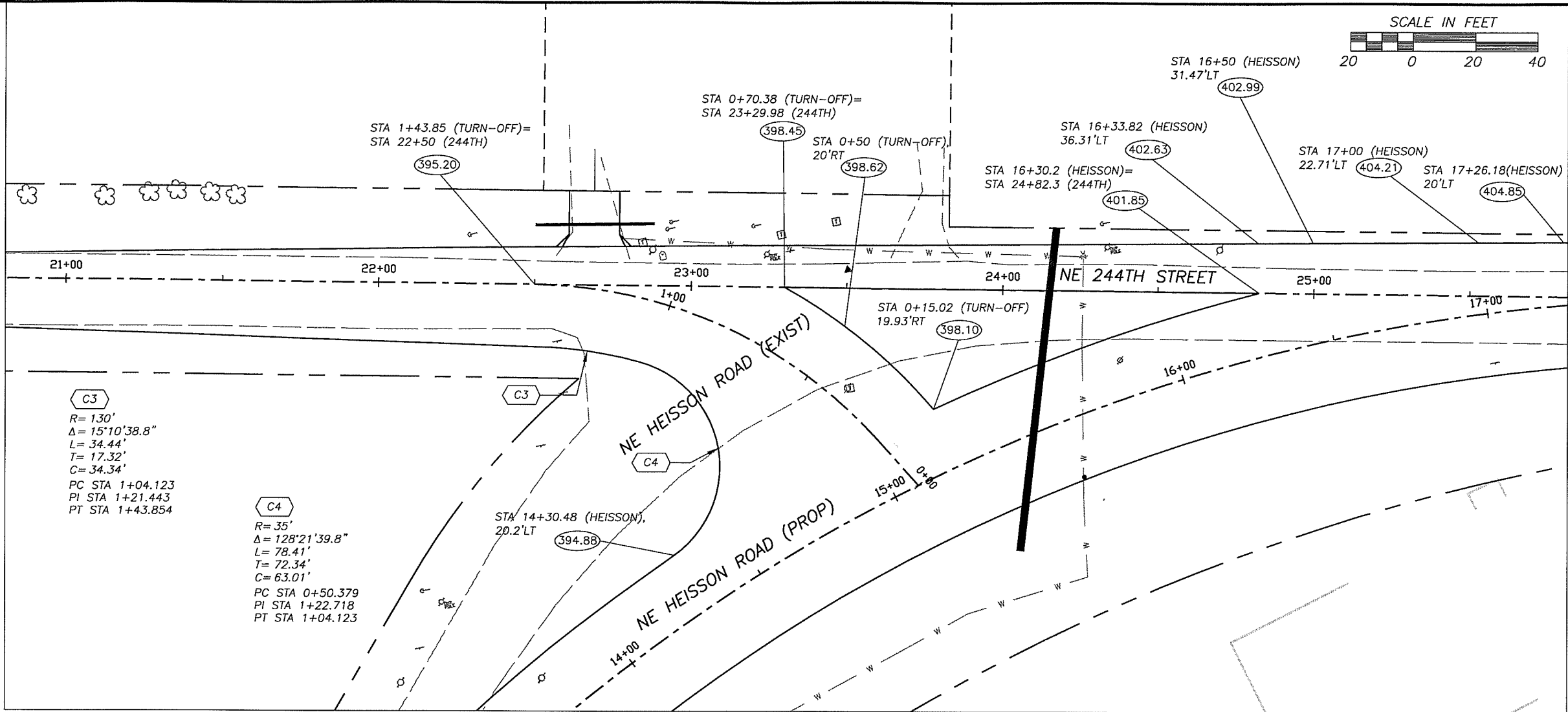


DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. 1"=20'  
VERT. 1"=2'  
DATE 9/21/04  
DWG: PP5  
SHEET OF

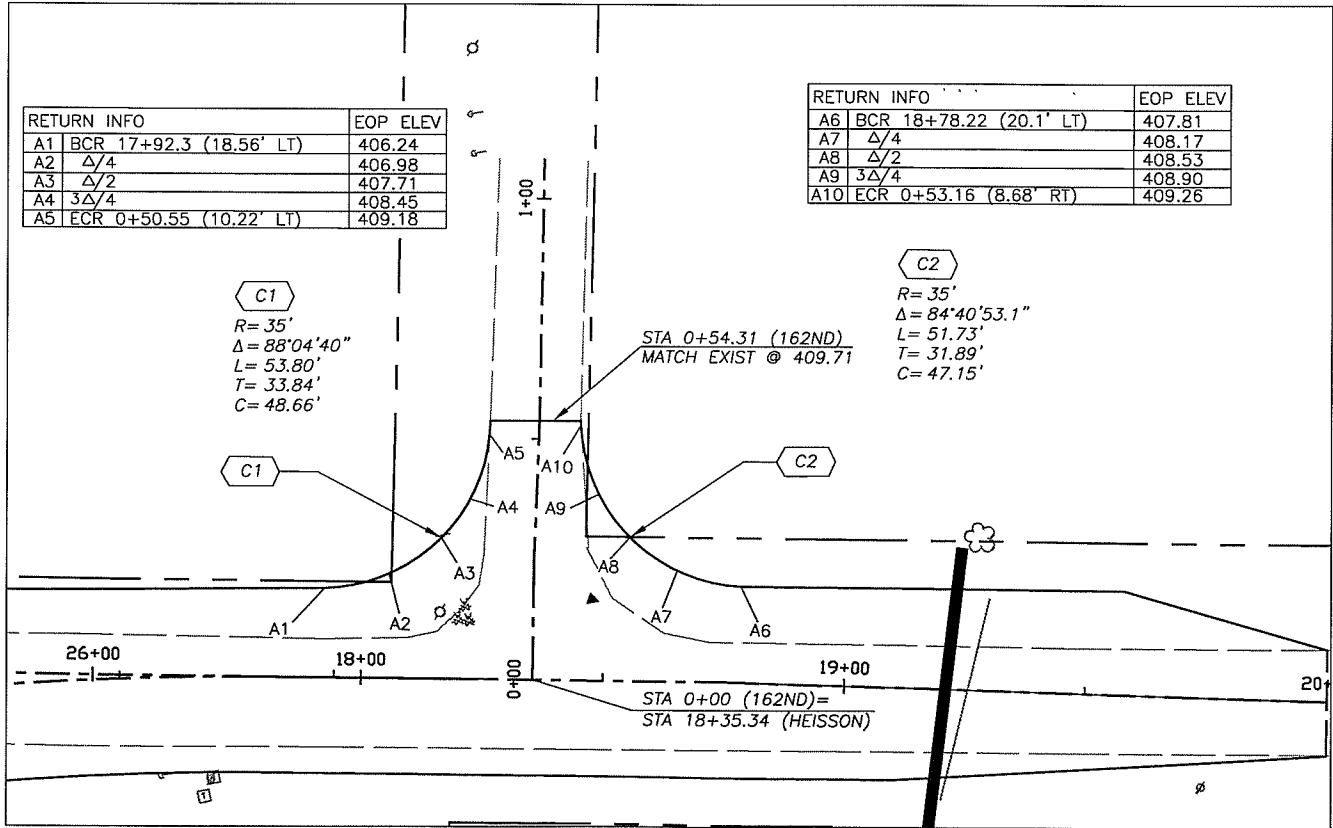
CALL 48 HOURS  
BEFORE YOU DIG  
1-800-  
553-4344  
"It's the Low"



N:\CIP\PROJECTS\330722-NEHeissonRoad\DESIGN\DWG\SHR01.dwg, 9/20/2004 3:06:25 PM, kerrlin



| UNADJUSTED EARTHWORK QUANTITIES |        |
|---------------------------------|--------|
| EXCAVATION                      | X C.Y. |
| EMBANKMENT                      | X C.Y. |



PRELIMINARY

DESIGN & ENGINEERING DIVISION  
DESIGN SECTION  
NE HEISSON ROAD  
INTERSECTION PLAN



proud part, promising future

CLARK COUNTY  
WASHINGTON

| DESIGNED | TP      |
|----------|---------|
| DRAWN    | RK      |
| CRP      | 330722  |
| HOR.     | 1"=20'  |
| VERT.    | 1"=5'   |
| DATE     | 9/21/04 |
| DWG.     | 101     |
| SHEET    | OF      |

CALL 48 HOURS  
BEFORE YOU DIG  
1-800-  
553-4344  
"It's the Low"



NOTIFICATION CENTER  
EXPIRATION: 07/2004